Control Commands for Cinema Projector Series 2 Rev. 12.0

2021/02/26-- Sharp NEC Display Solutions

This document contains information about projector control commands.

Model Name

Projectors
NC3240S-A
NC3200S (Including NC3200S-A(+))
NC2000C (Including NC2000C-A(+))
NC1200C (Including NC1200C+)
NC900C-A (Including NC900C-A+)
NC1040L-A (Including NC1040L-A+)
NC1440L-A (Including NC1440L-A+)
NC1100L-A(Including NC1100L-A+)
NC1201L-A (Including NC1201L-A+)
NC1101L-A (Including NC1101L-A+)
NC1205L-A+
NC1000C (Including NC1000C+)
NC1001C+
NC1005C+
NC1700L (Including NC1700L+)
NC3541L (Including NC3541L+)
NC2041L (Including NC2041L+)
NC2001L+ (Including NC2005L+)
NC2601L+
NP-02HD (Including NP-02HD+)
NC2402ML (Including NC2402ML+)
NC2002ML (Including NC2002ML+)
NC1802ML (Including NC1802ML+)
NC1402L (Including NC1402L+)
NC1202L (Including NC1202L+)

Options
MM3000B

History

Revisions		
Rev	Description	DATE
1.00	Draft	2010/02/09
1.01	p.1: Added NC3200S-A+ and NC2000C-A+ p.6: Changed from SI Board to SIB Extended the port range used for IMB p.8: Added VERSION DATA REQUEST (005-2.) p.25: Added LENS CONTROL(053.) p.7, 14, 19, 48: Changed from MM2000B to MM3000B	2010/07/08
2.00	p.9-13: Updated “Error Code List” p.18: Removed the comment for MM2000 from the note. p.21: Added note. p.50-52: Updated “Appendix A”	2010/07/12
3.00	Added NC3240S-A in target model. p.6 Modified the table of used port p.9-13: Updated “Error Code List” p.26 Added return value for NC3240S-A “SETTING REQUEST (078-1.)”	2011/02/14
4.00	p.1, 8, 9, 20-26, 28-41, 49-51: Added NC900C-A in target model. p.8,9,20-51: Fixed Byte3 of response packet (both of success and failure) from 01H to 00H. p.6: Destination of 43729 port is modified from System to ICP. p.14-19: Added Error code list of NC900C-A p.24: Changed MacroKey No from 1..8 to 1..16. p.27: Added note p.32: Added NC900C-A in Projector type table. p.33-34: Updated the definition of DATA10, 12, and 15..16. p.37: Corrected from DATA06 to DATA16. p.39: Updated the definition of DATA01-32. p.40: Added note for preset buttons p.49: Added note p.52: Added LAMP MODE REQUEST(097-246.) p.53: Added LAMP MODE SET(098-246.) p.54: Added LAMP PARAMETER OUTPUT REQUEST 2(235-26.) p.55: Added LAMP INFORMATION REQUEST 3(235-31.) p.63-66: Added Appendix B	2012/12/07
4.01	p.63: Corrected the description of error (5) p.65-66: Corrected the description of error (702)	2013/03/15
5.00	p.1, 9-10, 31-59, 62-63, 66: Added NC1040L-A/NC1440L-A in target model. p.1, 9-10, 31-37, 39-53, 62-63, 66: Added NC1100L-A in target model. p.20-25:Added Error code list of NC1040L-A/NC1440L-A	2014/04/07

	p.25-30:Added Error code list of NC1100L-A p.34,42,46: Added the definition of 292-Quad p.38: Update the description of DATA01-04. Modified “Note” for projectors with xenon lamp. p.43: Added NC1040L-A/NC1440L-A/NC1100L-A in projector type. p.44-45, 62, 63: Modified “Lamp” to “Lamp(Light)”. p.50-51:Added the description of returned value for NC1040L-A/NC1440L-A/NC1100L-A. p.67: Corrected typo Before) 23H 2FH 00H xxH 0EH … After) 23H 2FH 00H xxH 0FH … p.66-68: Update the description of returned value. p.80-82: Added Appendix C. p.83-86: Added Appendix D.	
6.00	Add models below in target model NC1201L-A (Including NC1201L-A+) NC1101L-A (Including NC1101L-A+) NC1205L-A+ NC1000C (Including NC1000C+) NC1001C+ NC1005C+ NC1700L (Including NC1700L+) Add two commands below PARTS COUNT REQUEST (305-1.) COMMON CURRENT STATUS REQUEST (300-20.) Update command descriptions below CURRENT TITLE STATUS REQUEST (078-206.) LAMP PARAMETER OUTPUT REQUEST (235-1.)	2017/06/02
7.00	Add models below in target model NC1700L (Including NC1700L+) NC3541L (Including NC3541L+) NC2041L (Including NC2041L+) NC2001L+ Update the comment in 3.35. LAMP INFORMATION REQUEST 3 (235-31.) (4) Response: At the time of a success - DATA05	2017/11/12
8.00	Add model, NC2601L+. Modify and Update below: p.32-36 (6-9) Model Type : NC1201L-A p.36-40 (6-10) Model Type : NC1000C p.40-44	2018/10/31

	(6-11) Model Type : NC1700L p.44-53 (6-12) Model Type : NC3541L/NC2041L p.114-118 A-5 : NC1201L-A p.118-128 A-6 : NC1000C p.128-138 A-7 : NC1700L p.138-148 A-8 : NC3541L/NC2041L Integrated Appendix to Appendix-A only.	
9.00	- Add NC2005L+ (p.1) - Add NP-02HD and NC2402ML series (p.1, 71, 72, 96) - Correct typo (p.10, 11, 59, 71, 81) - Add "(6-13) Model Type : NP-02HD/NC2402ML" (p.53-58) - Correct avalable models list (p.98, 99, 100) - Add "A-9 : NP-02HD/NC2402ML" (p.154-179)	2019/05/15
9.10	- Update NC1700L error list (p.43)	2019/06/17
10.0	- Add NP-02HD and NC2402ML Seriese (p. 101) - Add NC2002ML and NC1802ML Serises (p.1, 53, 76, 77, 101, 102, 104-106) - Add NC1402L series (p.1, 76, 77, 101, 102, 104-106, 160) - Add “(6-14) Model Type : NC1402L” (p.59-63) - Add “A-10 : NC1402L” (p.186-200) - Correct typo (p.64, 83, 87) - Update “(6-12) Model Type : NC3541L/NC2041L” (p.44-53) “(6-13) Model Type : NP-02HD/NC2402ML/NC2002ML/NC1802ML” (p.53-58) “A-9 : NP-02HD/NC2402ML/NC2002ML/NC1802ML” (p160-185)	2020/04/28
11.0	- Add NC1202L Series (p. 1, 59, 76, 77, 101, 102, 104, 105, 106, 186, 199) - Update (6-13) Model Type : NP-02HD/NC2402ML/NC2002ML/NC1802ML Add Error “1750 Sensor Fail Pressure” (p. 59) (6-14) Model Type : NC1402L/NC1202L Add Error “1750 Sensor Fail Pressure” (p. 63)	2020/10/27
12.0	- Add the error code for NC1700L Series “2150 Coolant Temp. out of range” (p.44,149)	2021/02/26

Table of Contents

1. Connection Method

The following 2 kinds of connection methods are available for sending and receiving control commands.

1. Serial connection using the serial port on the projector
   A serial cable is required.
2. LAN connection

2-1. LAN connection using the LAN port on the projector
   A LAN cable is required.

2-2. LAN connection using a wireless LAN card
   A wireless LAN card is required.

2. Interface Conditions

1. Serial connection

The communications method conforms to the RS-232C standard.

Baud rate:	38400 bps
Data length:	8 bits
Parity bit :	No parity
Stop bits:	1 bit
Communications mode:	Full duplex

The PC CONTROL connector is a D-SUB 9-pin connector.

1	
2	To TxD of PC
3	To RxD of PC
4	
5	To GND of PC
6	
7	To CTS of PC
8	To RTS of PC
9	

2. LAN connection

[Wired LAN port]

LAN interface

Communication speed : Auto setting (10/100Mbps)

Certified standard : IEEE802.3 (10BASE-T)
IEEE802.3u (100BASE-TX, Auto-Negotiation)

A LAN connector (8 male RJ-45 connector)

1	TD+	Transmit data (+)
2	TD-	Transmit data (-)
3	RD+	Receive data (+)
4		Not used
5		Not used
6	RD-	Receive data (-)
7		Not used
8		Not used

[Port Number]

TCP port “43728” is used in projector for projector command protocol shown in this document.

Except for port “43728”, there are ports used in projector for other functions. The next table shows information on ports used in projector.

Information on ports used in projector

It should be necessary to open the ports with green-colored cell during DCC remote access.

Port Number (decimal)	Protocol	Function	Source	Destination
7	TCP	Echo	Client	Server(system IP address)
25	TCP/UDP	SMTP	Client(system IP address)	Server
53	TCP/UDP	DNS	Client(system IP address)	Server
67	UDP	DHCP	Client(system IP address)	Server
			Server	Client(system IP address)
80	TCP	HTTP	Client	Server(system IP address)
161	UDP	SNMP	Manager	Agent(system IP address)
162	UDP	SNMP Trap	Agent(system IP address)	Manager
1173	TCP	D-Cinema Security(TLS)	Cinema Server	Enigma(Local Link Decryptor) (system IP address)
30000	TCP	Reserved	PC/System controller	System(system IP address)
30001	UDP	Reserved	PC/System controller	System(system IP address)
43680	TCP	Cinema Control(External port)	PC	ICP(system IP address)
43682	TCP	Cinema Control(Server port)	PC	ICP(system IP address)
43696	TCP	Enigma Control(External port)	PC	Enigma(system IP address)
43701	TCP	Enigma Marriage(Anonymous TLS)	PC	Enigma(system IP address)
43712	TCP	SIB Control	PC	SIB(system IP address)
43728	TCP	System Control(Projector head)	PC/System controller	System(system IP address)
43729	TCP	System Control(ICP)	PC/System controller	ICP(system IP address)
43744 - 43748 43750 - 43759	TCP	IMB Control	PC	IMB(system IP address)
43749	TCP	IMB Marriage(Anonymous TLS)	PC	IMB(system IP address)

3. Command Descriptions

Precautions with Inscriptions:

(*1) Projector ID
It is the value when forwarding a factory.
This reflects the “Projector ID” that has been set to the projector.

(*2) Model code : “xxH” inscription
This will differ depending on the projector.

In case of MM3000B	B0H
In case of NC Series	C0H

(*3) Checksum : “CKS” inscription
This is the value of the lower 8 bits of the results calculated in byte units from all of the data up to the immediately preceding data.

Example)

20H	81H	01H	60H	01H	00H	03H
+	+	+	+	+	+	= CKS

(*4) Response error number
This is the value of the error number at the time of an error.
See “NAK” of Data portion of response.

(Note)
In case of the followings, the projector does not response.

- The period during which the data is not received is beyond 50mS, while the data packet is received fully.

Checksum error.

3.1. VERSION DATA REQUEST (005-2.)

(1) Availability

All projectors and options

(2) Function

This command acquires version type of the unit.

(3) Command

00H	86H	00H	x0H	01H	DATA01	CKS
		(*1)	(*2)			(*3)

Data Portion	Contents
DATA01	Version Type 08H : Unit serial number

(4) Response: At the time of a success

NC models:

20H	86H	00H	x0H	11H	DATA01 .. DATA17	CKS	NC
		(*1)	(*2)			(*3)	

MM models:

20H	86H	00H	x0H	12H	DATA01 .. DATA18	CKS	NC
		(*1)	(*2)			(*3)	

Data Portion	Contents
DATA01	Version Type (same as DATA01 of Command)
DATA02	Serial Number + null termination Ignore the data after null termination
…	
DATA17	

*Byte order is Little Endian.

e.g.) S/N is “02A1234EB”.

DATA02 = 31H : 0
DATA03 = 32H : 2
DATA04 = 41H : A
DATA05 = 31H : 1
DATA06 = 32H : 2
DATA07 = 33H : 3
DATA08 = 34H : 4
DATA09 = 45H : E
DATA10 = 42H : B
DATA11..17 = 00H : NULL

(5) Response: At the time of a failure

A0H	86H	00H	x0H	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.2. ERROR NUMBER REQUEST 3 (009-5.)

(1) Availability
All projectors and options

(2) Function
This command acquires all the error numbers occurring with the projector.

(3) Command
02H BCH 00H 00H 01H DATA01 CKS
(*3)

Data Portion	Contents
DATA01	Model Type 00H ; Projector/Switcher 01H : MM3000B(Built-in type)

(4) Response: At the time of a success
22H BCH 00H xxH ??H DATA01 .. DATA(n+2) CKS
(*1) (*2) (*3)

n : Number of errors
?? : 2n+2

Data Portion	Contents
DATA01	Model type(same as DATA01 of Command)
DATA02	Number of errors
DATA03-04	Error number 1
DATA05-06	Error number 2
DATA07-08	Error number 3
DATA(2n+1)-(2n+2)	Error number n

*Byte order is Little Endian.

(5) Response: At the time of a failure
A2H BCH 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

(6) Error code list

(6-1) Model Type : Projector/Switcher

NC3240S-A, NC3200S, NC2000C, NC1200C

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
1	Lamp Door Open	Lamp door is open.
2	Lamp OverTemp	Temperature (lamp temperature) is abnormal.
4	GPSU(12V) Fail	Power supply is abnormal.

5	Lamp Unlit	Lamp doesn't light up.
6	House OverTime	Lamp house cumulative time is over.
8	LPSU OverTemp	Temperature (lamp power inside temperature) is abnormal.
12	E2PROM R Fail (SYS:Param1,KEY:Param2 ,DIV:Param3)	E2PROM data read error is detected.
13	Interlock Fail	Interlock is activated.
15	E2PROM W Fail (SYS:Param1,KEY:Param2 ,DIV:Param3)	E2PROM data write error is detected.
17	Pump Stop(Param1)	Stopped for pump error.
120	DLP Ack Fail (Param1, Param2)	ICP failed operation. It could be caused by configuration files lost, disk space issue, or DISKCHIP corruption issue.
121	Lens Fail (Param1)(Param2, Param3)	Lens unit control error (NC1200/NC2000)
123	Bulb OverTime	Lamp bulb cumulative time is over.
125	LPSU Fail (Param1)	Lamp power supply unit is abnormal.
128	OutRange (Param1, Param2, Param3, Pram4)	Adjusting lamp output value has set out of range.
129	Down Lamp Power (Param1, Param2, Param3)	Down lamp power to decrease set inside temperature.
130	MMS Comm Fail (Param1, Param2, Param3)	Built-in MMS communication error is detected.
131	MMS Fan Stop	Built-in MMS fan has stopped.
132	MMS Fail	Built-in MMS internal error.
133	MM Reset (Command:Param1)	Executed to reset Built-in MMS
140	DLP CommR Fail (Param1, Param2, Param3, Pram4)	Communication failure with the ICP board. (Communication I/F is RS-232C)
141	DLP CommE Fail (Param1, Param2, Param3, Pram4)	Communication failure with the ICP board. (Communication I/F is Ethernet)
145	SensorFail Outside Air (Param1)	Sensor (Outside Air) read error.
146	SensorFail LPSU Intake(Param1)	Sensor (LPSU Intake) read error.
147	SensorFail Exhaust(Param1)	Sensor (Exhaust) read error.
148	SensorFail DMD-B (Param1)	Sensor (DMD-B) read error.
150-156	Fan0-6 Stop(Param1)	Fan0-6 has stopped.
157-159	Fan7-9 Stop(Param1)	Fan7-9 has stopped. (NC3200)
160	GPSU Fan Stop	Fan has stopped.
162	Lamp Fan0 Stop(Param1)	Lamp Fan0 has stopped.
163	Lamp Fan1 Stop(Param1)	Lamp Fan1 has stopped.
164	ICP Fan Stop(Param1)	ICP Fan has stopped.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled.
166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy.
170	OverTemp.Outside Air(Param1)	Set inside temperature (Outside Air) is abnormal.
171	OverTemp Precaution(Param1)	Set inside temperature(LPSU Intake) is close to over temperature.
172	OverTemp.Exhaust (Param1)	Set inside temperature (Exhaust) is abnormal.
173	OverTemp.DMD-B(Param1)	Set inside temperature (DMD-B) is abnormal.
174	Bulb Entry	No selection of current bulb.
177	Tamper Fail(Param1)	Service door tamper switch of projector is open.
178	Marriage Tamper Fail(Param1)	Marriage tamper switch of projector is open.
180	CPU Fail(Mem) Param1: Param2<->Param3	System Test Failed.(Memory)
187	GPSU(24V) Fail	Power supply is abnormal.(24V)
201	Error Log Write Fail	Failed to store logs into projector system.

210	Unknown LPSU Model(Param1)	Unexpected LPSU is attached.
211	LPSU Fan Stop	LPSU Fan has stopped.
213	12V Outside range(Param1)	12V supply is out of range.
214	24V Outside range(Param1)	24V supply is out of range.
215	Lamp Filter Time Over(Param1)	The time to exchange lamp filter. (Future use)
216	Body Filter Time Over(Param1)	The time to exchange body filter. (Future use)
220	AC On Fan Exchange Time	The time to exchange Fan(AC On)
221	Power On Fan Exchange Time	The time to exchange Fan(Power On)
222	Lamp Fan Exchange Time	The time to exchange Lamp Fan
230	Router Fail(Param1)	Failed to control router.
231	SensorFail Opt	Failed to control light sensor.
232	MAC Write Fail	Failed to setup MAC address of CPU board.
233	Illegal MAC Address	Router WAN MAC address is illegal.
235	Router Self Check Fail (Param1, Param2, Param3)	Router health-check error.
240	SIB Comm Fail (Param1Pram2Param3Param4)	Failed to communicate with SIB.
241	SIB Error(Param1)	SIB internal error.
242	SIB FPGA Reboot	Executed to re-boot SIB FPGA for recovery.
246	Fan11 Stop(Param1)	Fan11 has stopped. (NC3240)
250-256	Fan0-6 Stop Precaution(Param1)	Fan0-7 Stop Precaution
257-259	Fan7-9 Stop Precaution(Param1)	Fan7-9 Stop Precaution (NC3200)
260	Lamp Fan0 Stop Precaution(Param1)	Lamp Fan0 Stop Precaution
261	Lamp Fan1 Stop Precaution(Param1)	Lamp Fan1 Stop Precaution
262	Pump Stop Precaution(Param1)	Pump Stop Precaution
263	ICP Fan Stop Precaution	ICP Fan Stop Precaution
265	Fan11 Stop Precaution(Param1)	Fan11 Stop Precaution (NC3240)
270	SD Tamper Terminate(Param1)	Terminated service door tamper event latched by Enigma board. LCD: Not supported Log: Supported
271	IMB:SD Tamper Terminate(Param1)	Terminated service door tamper event latched by IMB. LCD: Not supported Log: Supported
280	Bulb Warranty Over	Bulb warranty time over
301	System Error	ICP board error
302	Self Test Error	ICP board error To recover the issue, update ICP to higher than Prod3.0 or equal. If that can not remove the issue, remove and reseat the ICP board.
303	Install Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
304	Load Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
305	Key Error	ICP board error
306	Certificate Error	ICP board error
317	ICP Normal Configuration Error	ICP board error
318	ICP Boot Configuration Error	ICP board error
319	FMT Normal Configuration Error	ICP board error
320	FMT Boot Configuration Error	ICP board error
321	FMT Satellite Configuration Error	ICP board error
322	1.20V Supply out of range	ICP board error
323	1.80V Supply out of range	ICP board error

324	2.50V Supply out of range	ICP board error
325	3.30V Regulator out of range	ICP board error
326	ICP FPGA Temperature out of range	ICP board error
327	FMT FPGA Temperature out of range	ICP board error
328	ICP Flash Update Error	ICP board error
329	FMT Sequence Data File Mismatch	ICP board error
330	FMT DMD Data File Mismatch	ICP board error
331	FMT Flash Checksum Error – Sequence Data	ICP board error
332	FMT Flash Checksum Error – DMD Data	ICP board error
333	Satellite Hardware Mismatch	ICP board error
334	FMT Flash Update Error	ICP board error
335	Red Satellite Reports Reset	ICP board error
336	Red Satellite Serial Link Error	ICP board error
337	Red Satellite Firmware Configuration Error	ICP board error
338	Red DAD1000 Bias Under Voltage Error	ICP board error
339	Red DAD1000 Reset Under Voltage Error	ICP board error
340	Red DAD1000 Offset Under Voltage Error	ICP board error
341	Red DAD1000 Thermal Shutdown Error	ICP board error
342	Green Satellite Reports Reset	ICP board error
343	Green Satellite Serial Link Error	ICP board error
344	Green Satellite Firmware Configuration Error	ICP board error
345	Green DAD1000 Bias Under Voltage Error	ICP board error
346	Green DAD1000 Reset Under Voltage Error	ICP board error
347	Green DAD1000 Offset Under Voltage Error	ICP board error
348	Green DAD1000 Thermal Shutdown Error	ICP board error
349	Blue Satellite Reports Reset	ICP board error
350	Blue Satellite Serial Link Error	ICP board error
351	Blue Satellite Firmware Configuration Error	ICP board error
352	Blue DAD1000 Bias Under Voltage Error	ICP board error
353	Blue DAD1000 Reset Under Voltage Error	ICP board error
354	Blue DAD1000 Offset Under Voltage Error	ICP board error
355	Blue DAD1000 Thermal Shutdown Error	ICP board error
356	RTC Error	Indicates that ICP RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”.
400	Enigma Comm Fail (Param1Param2Param3:Param4)	No communication with the Enigma board.
410	System Error	Enigma Status error
411	Self Test Error	Enigma Status error
412	Install Release Package Error	Enigma Status error
413	Load Release Package Error	Enigma Status error
414	TI Login List Package Error	Enigma Status error
415	Security Officer Login List Package Error	Enigma Status error
419	Certificate or Key Error	Enigma Status error
420	ICP Communications Status	Enigma fails to do logical marriage to ICP when Enigma

		powers up. Because of no communications with ICP during logical marriage.
426	User Loader Integrity Error	Enigma is in FIPS error state.(Integrity check error)
427	Main Application Integrity Error	Enigma is in FIPS error state.(Integrity check error)
428	RNG Hardware Integrity Error	Enigma is in FIPS error state.(Integrity check error)
429	DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
430	RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
431	AES Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
432	HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
433	SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
434	TLS Integrity Error	Enigma is in FIPS error state.(Integrity check error)
435	FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Integrity check error)
436	FPGA CineLink 2 Decryption Integrity Error	Enigma is in FIPS error state.(Integrity check error)
437	RTC Error	Indicates that Enigma RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”
442	FPGA Configuration Error	Enigma Status error
443	FPGA Temperature out of range	Enigma Status error
446	RNG Hardware Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
447	DRNG Algorithm Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
450	1.20V Supply out of range	Enigma Status error
451	1.80V Supply out of range	Enigma Status error
452	2.50V Supply out of range	Enigma Status error
453	3.30V Regulator out of range	Enigma Status error
458	SelfTest User Loader Integrity Error	Enigma is in FIPS error state.(Self test result)
459	SelfTest Main Application Integrity Error	Enigma is in FIPS error state.(Self test result)
460	SelfTest RNG Hardware Integrity Error	Enigma is in FIPS error state.(Self test result)
461	SelfTest DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
462	SelfTest RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
463	SelfTest AES Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
464	SelfTest HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
465	SelfTest SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
466	SelfTest TLS Integrity Error	Enigma is in FIPS error state.(Self test result)
467	SelfTest FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Self test result)
468	SelfTest FPGA CineLink. 2 Decryption Integrity Error	Enigma is in FIPS error state.(Self test result)
474	Security Tamper	Security tamper condition exists in Enigma.
475	Top Side Security Enclosure Open	Security tamper condition exists in Enigma.
476	Bottom Side Security Enclosure Open	Security tamper condition exists in Enigma.
477	Security Battery Event	Battery tamper condition exists in Enigma.
478	Software Commanded Zeroization	Destroyed Enigma key by software command.
481	Security Enclosure Not Armed	Enigma security not armed.
482	Physical Marriage Tamper	Latched physical marriage tamper condition on Enigma board.
483	Logical Marriage Tamper	Logical marriage tamper condition exists in Enigma.
484	Marriage NOT Active	Marriage between ICP and Enigma has NOT been established (active).
486	Service Door Tamper	Latched service door tamper condition on Enigma board
487	Security Log Error	Security log is full and no more log entries can be created in Enigma. It is the server’s responsibility to avoid the issue.
488	Security Battery Low Warning	Close to “(477) Security Battery Event”.
489	Security Log Warning	Security log is almost full in Enigma.

		Close to “Security Log Error”.
500	IMB Comm Fail (Param1Param2Param3:Param4)	No communication with the IMB.
510	IMB:System Error	IMB Status error
511	IMB:Self Test Error	IMB Status error
519	IMB:Certificate or Key Error	IMB Status error
520	IMB:ICP Communications Status	IMB fails to do logical marriage to ICP when IMB powers up. Because of no communications with ICP during logical marriage.
537	IMB:RTC Error	IMB RTC is “invalid”
543	IMB:FPGA Temperature out of range	IMB Status error
550	IMB:Supply voltage out of range	IMB Status error
574	IMB:Security Tamper	Security tamper condition exists in IMB.
577	IMB:Security Battery Event	Battery tamper condition exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Latched physical marriage tamper condition on IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper condition exists in IMB.
584	IMB:Marriage NOT Active	Marriage between ICP and IMB has NOT been established (active).
586	IMB:Service Door Tamper	Latched service door tamper condition on IMB
588	IMB:Security Battery Low Warning	Close to “(577) IMB: Security Battery Event”.

(6-2) Model Type : MM3000B(Built-In)

Error code	Error message	Description
0	MMS Fail : FPGA ***	MMS system error.
1	MMS Fail : Default Data	MMS system data error.
2	MMS Fail : User Data	MMS user region error.

(6-3) Model Type : NC900C-A

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Power supply is abnormal.
5	Lamp Unlit(Param1,Param2)	Lamp doesn’t light up.
12	E2PROM R Fail (SYS:Param1,KEY:Param2)	E2PROM data read error is detected.
15	E2PROM W Fail (SYS:Param1,KEY:Param2)	E2PROM data write error is detected.
120	DLP Ack Fail(Param1, Param2)	ICP failed operation. It could be caused by configuration files lost, disk space issue, or DISKCHIP corruption issue.
121	Lens Fail(Param1)(Param2, Param3)	Lens unit control error
140	DLP CommR Fail (Param1Param2Param3:Param4)	No communication with the cinema board.

141	DLP CommE Fail (Param1Param2Param3:Param4)	No communication with the cinema board and DCC.
151-159	Fan1-9 Stop (Param1,Param2,Param3/Pram4)	Fan1-9 has stopped. Fan1-9 speed becomes less than 80% of target speed.
164	ICP Fan Stop(Param1,Param2)	ICP Fan has stopped.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled.
166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy.
177	Tamper Fail(Param1)	Service door tamper switch of projector is open.
178	Marriage Tamper Fail(Param1)	Marriage tamper switch of projector is open.
180	CPU Fail(Mem) Param1: Param2<->Param3	System Test Failed.(Memory)
201	Error Log Write Fail	Failed to store logs into projector system.
215	Filter Time Over(Param1)	The time to exchange filter.
220	Fan Exchange Time	The time to exchange fans.
230	Router Fail(Param1)	Failed to control router.
232	MAC Write Fail	Failed to setup MAC address of CPU board.
235	Router Self Check Fail (Param1, Param2, Param3)	Router health-check error.
240	SIB Comm Fail (Param1Pram2Param3Param4)	Failed to communicate with SIB.
241	SIB Error(Param1)	SIB internal error.
242	SIB FPGA Reboot	Executed to re-boot SIB FPGA for recovery.
245-249	Fan10-14 Stop (Param1,Param2,Param3/Param4)	Fan10-14 has stopped. Fan10-14 speed becomes less than 80% of target speed.
251-259	Fan1-9 Stop Precaution (Param1,Param2,Param3/Param4)	Fan1-9 Stop Precaution Fan1-9 speed becomes less than 85% of target speed.
263	ICP Fan Stop Precaution (Param1,Param2)	ICP Fan Stop Precaution
264-268	Fan10-14 Stop Precaution (Param1,Param2,Param3/Param4)	Fan10-14 Stop Precaution Fan10-14 speed becomes less than 85% of target speed.
270	SD Tamper Terminate(Param1)	Terminated service door tamper event latched by Enigma board. LCD: Not supported Log: Supported
271	IMB:SD Tamper Terminate(Param1)	Terminated service door tamper event latched by IMB. LCD: Not supported Log: Supported
301	System Error	ICP board error
302	Self Test Error	ICP board error
303	Install Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
304	Load Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
305	Key Error	ICP board error
306	Certificate Error	ICP board error
317	ICP Normal Configuration Error	ICP board error
318	ICP Boot Configuration Error	ICP board error
319	FMT Normal Configuration Error	ICP board error
320	FMT Boot Configuration Error	ICP board error
321	FMT Satellite Configuration Error	ICP board error
322	1.20V Supply out of range	ICP board error

323	1.80V Supply out of range	ICP board error
324	2.50V Supply out of range	ICP board error
325	3.30V Regulator out of range	ICP board error
326	ICP FPGA Temperature out of range	ICP board error
327	FMT FPGA Temperature out of range	ICP board error
328	ICP Flash Update Error	ICP board error
329	FMT Sequence Data File Mismatch	ICP board error
330	FMT DMD Data File Mismatch	ICP board error
331	FMT Flash Checksum Error – Sequence Data	ICP board error
332	FMT Flash Checksum Error – DMD Data	ICP board error
333	Satellite Hardware Mismatch	ICP board error
334	FMT Flash Update Error	ICP board error
335	Red Satellite Reports Reset	ICP board error
336	Red Satellite Serial Link Error	ICP board error
337	Red Satellite Firmware Configuration Error	ICP board error
338	Red DAD1000 Bias Under Voltage Error	ICP board error
339	Red DAD1000 Reset Under Voltage Error	ICP board error
340	Red DAD1000 Offset Under Voltage Error	ICP board error
341	Red DAD1000 Thermal Shutdown Error	ICP board error
342	Green Satellite Reports Reset	ICP board error
343	Green Satellite Serial Link Error	ICP board error
344	Green Satellite Firmware Configuration Error	ICP board error
345	Green DAD1000 Bias Under Voltage Error	ICP board error
346	Green DAD1000 Reset Under Voltage Error	ICP board error
347	Green DAD1000 Offset Under Voltage Error	ICP board error
348	Green DAD1000 Thermal Shutdown Error	ICP board error
349	Blue Satellite Reports Reset	ICP board error
350	Blue Satellite Serial Link Error	ICP board error
351	Blue Satellite Firmware Configuration Error	ICP board error
352	Blue DAD1000 Bias Under Voltage Error	ICP board error
353	Blue DAD1000 Reset Under Voltage Error	ICP board error
354	Blue DAD1000 Offset Under Voltage Error	ICP board error
355	Blue DAD1000 Thermal Shutdown Error	ICP board error
356	RTC Error	Indicates that ICP RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”.
370	ICP Frame Memory Test Result Fail	ICP self test error due to “Frame memory error”
372	ICP Data Path Signature Test Result Fail(Param1)	ICP self test error due to “Data Path Signature Test Result Fail”
400	Enigma Comm Fail (Param1Param2Param3:Param4)	No communication with the Enigma board.
410	System Error	Enigma Status error
411	Self Test Error	Enigma Status error
412	Install Release Package Error	Enigma Status error
413	Load Release Package Error	Enigma Status error

414	TI Login List Package Error	Enigma Status error
415	Security Officer Login List Package Error	Enigma Status error
419	Certificate or Key Error	Enigma Status error
420	ICP Communications Status	Enigma fails to do logical marriage to ICP when Enigma powers up. Because of no communications with ICP during logical marriage.
426	User Loader Integrity Error	Enigma is in FIPS error state.(Integrity check error)
427	Main Application Integrity Error	Enigma is in FIPS error state.(Integrity check error)
428	RNG Hardware Integrity Error	Enigma is in FIPS error state.(Integrity check error)
429	DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
430	RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
431	AES Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
432	HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
433	SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
434	TLS Integrity Error	Enigma is in FIPS error state.(Integrity check error)
435	FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Integrity check error)
436	FPGA CineLink 2 Decryption Integrity Error	Enigma is in FIPS error state.(Integrity check error)
437	RTC Error	Indicates that Enigma RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”
442	FPGA Configuration Error	Enigma Status error
443	FPGA Temperature out of range	Enigma Status error
446	RNG Hardware Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
447	DRNG Algorithm Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
450	1.20V Supply out of range	Enigma Status error
451	1.80V Supply out of range	Enigma Status error
452	2.50V Supply out of range	Enigma Status error
453	3.30V Regulator out of range	Enigma Status error
458	SelfTest User Loader Integrity Error	Enigma is in FIPS error state.(Self test result)
459	SelfTest Main Application Integrity Error	Enigma is in FIPS error state.(Self test result)
460	SelfTest RNG Hardware Integrity Error	Enigma is in FIPS error state.(Self test result)
461	SelfTest DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
462	SelfTest RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
463	SelfTest AES Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
464	SelfTest HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
465	SelfTest SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
466	SelfTest TLS Integrity Error	Enigma is in FIPS error state.(Self test result)
467	SelfTest FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Self test result)
468	SelfTest FPGA CineLink. 2 Decryption Integrity Error	Enigma is in FIPS error state.(Self test result)
474	Security Tamper	Security tamper condition exists in Enigma.
475	Top Side Security Enclosure Open	Security tamper condition exists in Enigma.
476	Bottom Side Security Enclosure Open	Security tamper condition exists in Enigma.
477	Security Battery Event	Battery tamper condition exists in Enigma.
478	Software Commanded Zeroization	Destroyed Enigma key by software command.
481	Security Enclosure Not Armed	Enigma security not armed.
482	Physical Marriage Tamper	Latched physical marriage tamper condition on Enigma board.
483	Logical Marriage Tamper	Logical marriage tamper condition exists in Enigma.
484	Marriage NOT Active	Marriage between ICP and Enigma has NOT been established (active).
486	Service Door Tamper	Latched service door tamper condition on Enigma board
487	Security Log Error	Security log is full and no more log entries can be created

		in Enigma. It is the server's responsibility to avoid the issue.
488	Security Battery Low Warning	Close to "(477) Security Battery Event".
489	Security Log Warning	Security log is almost full in Enigma. Close to "Security Log Error".
500	IMB Comm Fail (Param1Param2Param3:Param4)	No communication with the IMB.
510	IMB:System Error	IMB Status error
511	IMB:Self Test Error	IMB Status error
519	IMB:Certificate or Key Error	IMB Status error
520	IMB:ICP Communications Status	IMB fails to do logical marriage to ICP when IMB powers up. Because of no communications with ICP during logical marriage.
537	IMB:RTC Error	IMB RTC is "invalid"
543	IMB:FPGA Temperature out of range	IMB Status error
550	IMB:Supply voltage out of range	IMB Status error
574	IMB:Security Tamper	Security tamper condition exists in IMB.
577	IMB:Security Battery Event	Battery tamper condition exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Latched physical marriage tamper condition on IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper condition exists in IMB.
584	IMB:Marriage NOT Active	Marriage between ICP and IMB has NOT been established (active).
586	IMB:Service Door Tamper	Latched service door tamper condition on IMB
588	IMB:Security Battery Low Warning	Close to "(577) IMB: Security Battery Event".
700	Slave Comm Fail(Param1,Param2)	Failed to communicate with slave MCU.
701	Slave Status Fail(Param1,Param2)	Slave MCU is in unexpected status.
702	Lamp Lit Change(Param1,Param2)	Lamp lit status becomes with unexpected state. (It could appear while dual lamp mode.)
703	Slave Comm Ack Fail(Param1,Param2)	Slave fails to execute the command.
710	Lamp1 OverTime	Lamp1 cumulative time is over.
711	Lamp2 OverTime	Lamp2 cumulative time is over.
740	SensorFail Inlet	Failed to read inlet sensor.
741	SensorFail DMD	Failed to read DMD sensor.
750	OverTemp.DMD Precaution(Param1)	Set inside temperature (DMD) is close to over temperature.
751	OverTemp.Inlet Precaution(Param1)	Set inside temperature (Inlet) is close to over temperature.
752	Down Lamp Power Activated (Param1,Param2,Param3,Param4)	Down lamp power to decrease set inside temperature.
753	OverTemp.Ballast1 Precaution (Param1)	Set inside temperature (Ballast1) is close to over temperature.
754	OverTemp.Ballast2 Precaution (Param1)	Set inside temperature (Ballast2) is close to over temperature.
760	OverTemp.DMD(Param1)	Set inside temperature (DMD) is abnormal.
761	OverTemp.Inlet(Param1)	Set inside temperature (Inlet) is abnormal.
762	OverTemp.Lamp	Set inside temperature (Lamp) is abnormal.
764	OverTemp.Ballast1(Param1)	Set inside temperature (Ballast1) is abnormal.
765	OverTemp.Ballast2(Param1)	Set inside temperature (Ballast2) is abnormal.
781	Interlock Open	Interlock is open.
782	SystemI2cFail	Failed to control sensors connecting to GPIO chip. (Slave board internal abnormality)
783	EepromFail	Slave MCU failed to read back all of data from EEPROM

		on slave MCU board due to unexpected data or something. (Slave board internal abnormality)
785	SoftwareI2cFail	I2C/UART conversion chip control failed on slave board. (Slave board internal abnormality)
786	PreCooling	Failed to precool.
787	Lamp1 Door Open	Lamp1 door (cover) is open
788	Lamp2 Door Open	Lamp2 door (cover) is open
789	Ballast1UartError	Communication error between slave MCU and ballast1.
790	Ballast2UartError	Communication error between slave MCU and ballast2.
791	FanInitError	Failed to initialize fans.
792	ExGpioFail	Failed to control the signal connecting to Ballast. (Slave board internal abnormality)
793	Notch Filter Open	Notch Filter Cover is open.
800-801	Fan15-16 Stop (Param1,Param2,Param3/Param4)	Fan15-16 has stopped. Fan15-16 speed becomes less than 80% of target speed.
810-811	Fan15-16 Stop Precaution (Param1,Param2,Param3/Param4)	Fan15-16 Stop Precaution Fan15-16 speed becomes less than 85% of target speed.

(6-4) Model Type : NC1040L-A, NC1440L-A

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
4	GPSU(12V) Fail	Power supply is abnormal.
12	E2PROM R Fail (SYS:Param1,KEY:Param2 ,DIV:Param3)	E2PROM data read error is detected.
13	Interlock Fail	Interlock is activated.
15	E2PROM W Fail (SYS:Param1,KEY:Param2 ,DIV:Param3)	E2PROM data write error is detected.
17	Pump Stop(Param1)	Stopped for pump error.
120	DLP Ack Fail (Param1, Param2)	ICP failed operation. It could be caused by configuration files lost, disk space issue, or DISKCHIP corruption issue.
140	DLP CommR Fail (Param1, Param2, Param3, Pram4)	Communication failure with the ICP board. (Communication I/F is RS-232C)
141	DLP CommE Fail (Param1, Param2, Param3, Pram4)	Communication failure with the ICP board. (Communication I/F is Ethernet)
144	SensorFail Radiator (Param1)	Sensor (Radiator) read error.
146	SensorFail Intake(Param1)	Sensor (Intake) read error.
147	SensorFail Exhaust(Param1)	Sensor (Exhaust) read error.
148	SensorFail DMD-B (Param1)	Sensor (DMD-B) read error.
150-157	Fan0-7 Stop(Param1)	Fan0-7 has stopped.
160	GPSU Fan Stop	Fan has stopped.
164	ICP Fan Stop(Param1)	ICP Fan has stopped.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled.
166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy.
169	OverTemp.Radiator(Param1)	Set inside temperature (Radiator) is abnormal.
171	OverTemp.Intake(Param1)	Set inside temperature (Intake) is abnormal.

172	OverTemp.Exhaust (Param1)	Set inside temperature (Exhaust) is abnormal.
173	OverTemp.DMD-B(Param1)	Set inside temperature (DMD-B) is abnormal.
177	Tamper Fail(Param1)	Service door tamper switch of projector is open.
178	Marriage Tamper Fail(Param1)	Marriage tamper switch of projector is open.
187	GPSU(24V) Fail	Power supply is abnormal.(24V)
201	Error Log Write Fail	Failed to store logs into projector system.
213	12V Outside range(Param1)	12V supply is out of range.
214	24V Outside range(Param1)	24V supply is out of range.
216	Body Filter Time Over(Param1)	The time to exchange body filter. (Future use)
220	AC On Fan Exchange Time	The time to exchange Fan(AC On)
221	Power On Fan Exchange Time	The time to exchange Fan(Power On)
230	Router Fail(Param1)	Failed to control router.
231	SensorFail Opt	Failed to control light sensor.
232	MAC Write Fail	Failed to setup MAC address of CPU board.
233	Illegal MAC Address	Router WAN MAC address is illegal.
235	Router Self Check Fail (Param1, Param2, Param3)	Router health-check error.
236	Router Firmware Update Fail	
240	SIB Comm Fail (Param1Pram2Param3Param4)	Failed to communicate with SIB.
241	SIB Error(Param1)	SIB internal error.
242	SIB FPGA Reboot	Executed to re-boot SIB FPGA for recovery.
250-257	Fan0-7 Stop Precaution(Param1)	Fan0-7 Stop Precaution
262	Pump Stop Precaution(Param1)	Pump Stop Precaution
263	ICP Fan Stop Precaution	ICP Fan Stop Precaution
270	SD Tamper Terminate(Param1)	Terminated service door tamper event latched by Enigma board. LCD: Not supported Log: Supported
271	IMB:SD Tamper Terminate(Param1)	Terminated service door tamper event latched by IMB. LCD: Not supported Log: Supported
290	Emergency Switch On	Emergency switch of projector is on.
291	KEY Switch Off	Key switch of projector is off.
292	Fiber1 fiting detect	Red fiber of projector is not connect.
293	Fiber2 fiting detect	Green/Blue fiber of projector is not connect
294	FiberTestFail	Fiber Test result is fail
295	FiberError	All one of R/G/B fiber is fail of fiber test result
301	System Error	ICP board error
302	Self Test Error	ICP board error To recover the issue, update ICP to higher than Prod3.0 or equal. If that can not remove the issue, remove and reseat the ICP board.
303	Install Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
304	Load Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
305	Key Error	ICP board error
306	Certificate Error	ICP board error
317	ICP Normal Configuration Error	ICP board error
318	ICP Boot Configuration Error	ICP board error
319	FMT Normal Configuration Error	ICP board error
320	FMT Boot Configuration Error	ICP board error

321	FMT Satellite Configuration Error	ICP board error
322	1.20V Supply out of range	ICP board error
323	1.80V Supply out of range	ICP board error
324	2.50V Supply out of range	ICP board error
325	3.30V Regulator out of range	ICP board error
326	ICP FPGA Temperature out of range	ICP board error
327	FMT FPGA Temperature out of range	ICP board error
328	ICP Flash Update Error	ICP board error
329	FMT Sequence Data File Mismatch	ICP board error
330	FMT DMD Data File Mismatch	ICP board error
331	FMT Flash Checksum Error – Sequence Data	ICP board error
332	FMT Flash Checksum Error – DMD Data	ICP board error
333	Satellite Hardware Mismatch	ICP board error
334	FMT Flash Update Error	ICP board error
335	Red Satellite Reports Reset	ICP board error
336	Red Satellite Serial Link Error	ICP board error
337	Red Satellite Firmware Configuration Error	ICP board error
338	Red DAD1000 Bias Under Voltage Error	ICP board error
339	Red DAD1000 Reset Under Voltage Error	ICP board error
340	Red DAD1000 Offset Under Voltage Error	ICP board error
341	Red DAD1000 Thermal Shutdown Error	ICP board error
342	Green Satellite Reports Reset	ICP board error
343	Green Satellite Serial Link Error	ICP board error
344	Green Satellite Firmware Configuration Error	ICP board error
345	Green DAD1000 Bias Under Voltage Error	ICP board error
346	Green DAD1000 Reset Under Voltage Error	ICP board error
347	Green DAD1000 Offset Under Voltage Error	ICP board error
348	Green DAD1000 Thermal Shutdown Error	ICP board error
349	Blue Satellite Reports Reset	ICP board error
350	Blue Satellite Serial Link Error	ICP board error
351	Blue Satellite Firmware Configuration Error	ICP board error
352	Blue DAD1000 Bias Under Voltage Error	ICP board error
353	Blue DAD1000 Reset Under Voltage Error	ICP board error
354	Blue DAD1000 Offset Under Voltage Error	ICP board error
355	Blue DAD1000 Thermal Shutdown Error	ICP board error
356	RTC Error	Indicates that ICP RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”.
400	Enigma Comm Fail (Param1Param2Param3:Param4)	No communication with the Enigma board.
410	System Error	Enigma Status error
411	Self Test Error	Enigma Status error
412	Install Release Package Error	Enigma Status error
413	Load Release Package Error	Enigma Status error
414	TI Login List Package Error	Enigma Status error
415	Security Officer Login List Package Error	Enigma Status error
419	Certificate or Key Error	Enigma Status error
420	ICP Communications Status	Enigma fails to do logical marriage to ICP when Enigma powers up. Because of no communications with ICP during logical marriage.
426	User Loader Integrity Error	Enigma is in FIPS error state.(Integrity check error)
427	Main Application Integrity Error	Enigma is in FIPS error state.(Integrity check error)

428	RNG Hardware Integrity Error	Enigma is in FIPS error state.(Integrity check error)
429	DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
430	RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
431	AES Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
432	HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
433	SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
434	TLS Integrity Error	Enigma is in FIPS error state.(Integrity check error)
435	FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Integrity check error)
436	FPGA CineLink 2 Decryption Integrity Error	Enigma is in FIPS error state.(Integrity check error)
437	RTC Error	Indicates that Enigma RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”
442	FPGA Configuration Error	Enigma Status error
443	FPGA Temperature out of range	Enigma Status error
446	RNG Hardware Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
447	DRNG Algorithm Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
450	1.20V Supply out of range	Enigma Status error
451	1.80V Supply out of range	Enigma Status error
452	2.50V Supply out of range	Enigma Status error
453	3.30V Regulator out of range	Enigma Status error
458	SelfTest User Loader Integrity Error	Enigma is in FIPS error state.(Self test result)
459	SelfTest Main Application Integrity Error	Enigma is in FIPS error state.(Self test result)
460	SelfTest RNG Hardware Integrity Error	Enigma is in FIPS error state.(Self test result)
461	SelfTest DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
462	SelfTest RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
463	SelfTest AES Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
464	SelfTest HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
465	SelfTest SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
466	SelfTest TLS Integrity Error	Enigma is in FIPS error state.(Self test result)
467	SelfTest FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Self test result)
468	SelfTest FPGA CineLink. 2 Decryption Integrity Error	Enigma is in FIPS error state.(Self test result)
474	Security Tamper	Security tamper condition exists in Enigma.
475	Top Side Security Enclosure Open	Security tamper condition exists in Enigma.
476	Bottom Side Security Enclosure Open	Security tamper condition exists in Enigma.
477	Security Battery Event	Battery tamper condition exists in Enigma.
478	Software Commanded Zeroization	Destroyed Enigma key by software command.
481	Security Enclosure Not Armed	Enigma security not armed.
482	Physical Marriage Tamper	Latched physical marriage tamper condition on Enigma board.
483	Logical Marriage Tamper	Logical marriage tamper condition exists in Enigma.
484	Marriage NOT Active	Marriage between ICP and Enigma has NOT been established (active).
486	Service Door Tamper	Latched service door tamper condition on Enigma board
487	Security Log Error	Security log is full and no more log entries can be created in Enigma. It is the server’s responsibility to avoid the issue.
488	Security Battery Low Warning	Close to “(477) Security Battery Event”.
489	Security Log Warning	Security log is almost full in Enigma. Close to “Security Log Error”.
500	IMB Comm Fail (Param1Param2Param3:Param4)	No communication with the IMB.
510	IMB:System Error	IMB Status error

511	IMB:Self Test Error	IMB Status error
519	IMB:Certificate or Key Error	IMB Status error
520	IMB:ICP Communications Status	IMB fails to do logical marriage to ICP when IMB powers up. Because of no communications with ICP during logical marriage.
537	IMB:RTC Error	IMB RTC is “invalid”
543	IMB:FPGA Temperature out of range	IMB Status error
550	IMB:Supply voltage out of range	IMB Status error
574	IMB:Security Tamper	Security tamper condition exists in IMB.
577	IMB:Security Battery Event	Battery tamper condition exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Latched physical marriage tamper condition on IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper condition exists in IMB.
584	IMB:Marriage NOT Active	Marriage between ICP and IMB has NOT been established (active).
586	IMB:Service Door Tamper	Latched service door tamper condition on IMB
588	IMB:Security Battery Low Warning	Close to “(577) IMB: Security Battery Event”.
600	LU Comm Fail(Param1,Param2,Param3)	Failed to communicate with laser unit.
601	LU Config Fail	Laser unit failed initial setting.
602	LU Comm ACK Fail (Param1,Param2,Param3)	Laser unit fails to execute the command.
603	LU Mode Error(Param1,Param2)	Laser unit mode is abnormal.
610	LU1 Interlock	Laser unit error
611	LU1 I2C Fail(EEPROM)	Laser unit error
612	LU1 I2C Fail(FAN1)	Laser unit error
613	LU1 I2C Fail(FAN2)	Laser unit error
614	LU1 I2C Fail(FAN3)	Laser unit error
615	LU1 Fan Stop(Param1)	Laser unit error
616	LU1 OverTemp. Warning (Param1,Param2,Param3,Param4,Param5)	Laser unit error
617	LU1 OverTemp. Stop (Param1,Param2,Param3,Param4,Param5)	Laser unit error
619	LU1 LD Stop Comm(Param1)	Laser unit error
620	LU1 LD Stop(Param1)	Laser unit error
621	LU1 OverVoltage(Param1)	Laser unit error
622	LU1 Power Alarm(Param1)	Laser unit error
624	LU1 LD OverTemp. (Param1)	Laser unit error
625	LU1 LD Stop Light(Param1)	Laser unit error
626	LU1 Interlock PJ	Laser unit error
627	LU1 Connect Fail(Param1)	Laser unit error
628	LU1 LD Stop ALL(Param1)	Laser unit error
629	LU1 FAN Failure Warning(Param1)	Laser unit error
632	LU1 Thermometer Fail	Laser unit error
640	LU2 Interlock	Laser unit error
641	LU2 I2C Fail(EEPROM)	Laser unit error
642	LU2 I2C Fail(FAN1)	Laser unit error
643	LU2 I2C Fail(FAN2)	Laser unit error
644	LU2 I2C Fail(FAN3)	Laser unit error
645	LU2 Fan Stop(Param1)	Laser unit error
646	LU2 OverTemp. Warning (Param1,Param2,Param3,Param4,Param5)	Laser unit error
647	LU2 OverTemp. Stop (Param1,Param2,Param3,Param4,Param5)	Laser unit error
649	LU2 LD Stop Comm(Param1)	Laser unit error

650	LU2 LD Stop(Param1)	Laser unit error
651	LU2 OverVoltage(Param1)	Laser unit error
652	LU2 Power Alarm(Param1)	Laser unit error
654	LU2 LD OverTemp. (Param1)	Laser unit error
655	LU2 LD Stop Light(Param1)	Laser unit error
656	LU2 Interlock PJ	Laser unit error
657	LU2 Connect Fail(Param1)	Laser unit error
658	LU2 LD Stop ALL(Param1)	Laser unit error
659	LU2 FAN Failure Warning(Param1)	Laser unit error
662	LU2 Thermometer Fail	Laser unit error
820	Down Light Power	Down light power to decrease set inside temperature.

(6-5) Model Type : NC1100L-A

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Power supply is abnormal.
5	Light Unlit	Light doesn't light up.
12	E2PROM R Fail (SYS:Param1,KEY:Param2)	E2PROM data read error is detected.
15	E2PROM W Fail (SYS:Param1,KEY:Param2)	E2PROM data write error is detected.
120	DLP Ack Fail(Param1, Param2)	ICP failed operation. It could be caused by configuration files lost, disk space issue, or DISKCHIP corruption issue.
121	Lens Fail(Param1)(Param2, Param3)	Lens unit control error
140	DLP CommR Fail (Param1Param2Param3:Param4)	No communication with the cinema board.
141	DLP CommE Fail (Param1Param2Param3:Param4)	No communication with the cinema board and DCC.
151-159	Fan1-9 Stop (Param1,Param2,Param3/Pram4)	Fan1-9 has stopped. Fan1-9 speed becomes less than 80% of target speed.
164	ICP Fan Stop(Param1,Param2)	ICP Fan has stopped.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled.
166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy.
177	Tamper Fail(Param1)	Service door tamper switch of projector is open.
178	Marriage Tamper Fail(Param1)	Marriage tamper switch of projector is open.
180	CPU Fail(Mem) Param1: Param2<->Param3	System Test Failed.(Memory) *It is defined in CPU Firmware Ver1.000 only.
201	Error Log Write Fail	Failed to store logs into projector system.
215	Filter Time Over(Param1)	The time to exchange filter.
230	Router Fail(Param1)	Failed to control router.
232	MAC Write Fail	Failed to setup MAC address of CPU board.
235	Router Self Check Fail (Param1, Param2, Param3)	Router health-check error.
240	SIB Comm Fail (Param1Pram2Param3Param4)	Failed to communicate with SIB.
241	SIB Error(Param1)	SIB internal error.

242	SIB FPGA Reboot	Executed to re-boot SIB FPGA for recovery.
245-249	Fan10-14 Stop (Param1,Param2,Param3/Param4)	Fan10-14 has stopped. Fan10-14 speed becomes less than 80% of target speed.
251-259	Fan1-9 Stop Precaution (Param1,Param2,Param3/Param4)	Fan1-9 Stop Precaution Fan1-9 speed becomes less than 85% of target speed.
263	ICP Fan Stop Precaution (Param1,Param2)	ICP Fan Stop Precaution
264-268	Fan10-14 Stop Precaution (Param1,Param2,Param3/Param4)	Fan10-14 Stop Precaution Fan10-14 speed becomes less than 85% of target speed.
270	SD Tamper Terminate(Param1)	Terminated service door tamper event latched by Enigma board. LCD: Not supported Log: Supported
271	IMB:SD Tamper Terminate(Param1)	Terminated service door tamper event latched by IMB. LCD: Not supported Log: Supported
301	System Error	ICP board error
302	Self Test Error	ICP board error
303	Install Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
304	Load Release Package Error	ICP board error It could be caused by disk space issue or DISKCHIP corruption issue.
305	Key Error	ICP board error
306	Certificate Error	ICP board error
317	ICP Normal Configuration Error	ICP board error
318	ICP Boot Configuration Error	ICP board error
319	FMT Normal Configuration Error	ICP board error
320	FMT Boot Configuration Error	ICP board error
321	FMT Satellite Configuration Error	ICP board error
322	1.20V Supply out of range	ICP board error
323	1.80V Supply out of range	ICP board error
324	2.50V Supply out of range	ICP board error
325	3.30V Regulator out of range	ICP board error
326	ICP FPGA Temperature out of range	ICP board error
327	FMT FPGA Temperature out of range	ICP board error
328	ICP Flash Update Error	ICP board error
329	FMT Sequence Data File Mismatch	ICP board error
330	FMT DMD Data File Mismatch	ICP board error
331	FMT Flash Checksum Error – Sequence Data	ICP board error
332	FMT Flash Checksum Error – DMD Data	ICP board error
333	Satellite Hardware Mismatch	ICP board error
334	FMT Flash Update Error	ICP board error
335	Red Satellite Reports Reset	ICP board error
336	Red Satellite Serial Link Error	ICP board error
337	Red Satellite Firmware Configuration Error	ICP board error
338	Red DAD1000 Bias Under Voltage Error	ICP board error
339	Red DAD1000 Reset Under Voltage Error	ICP board error
340	Red DAD1000 Offset Under Voltage Error	ICP board error
341	Red DAD1000 Thermal Shutdown Error	ICP board error
342	Green Satellite Reports Reset	ICP board error
343	Green Satellite Serial Link Error	ICP board error

344	Green Satellite Firmware Configuration Error	ICP board error
345	Green DAD1000 Bias Under Voltage Error	ICP board error
346	Green DAD1000 Reset Under Voltage Error	ICP board error
347	Green DAD1000 Offset Under Voltage Error	ICP board error
348	Green DAD1000 Thermal Shutdown Error	ICP board error
349	Blue Satellite Reports Reset	ICP board error
350	Blue Satellite Serial Link Error	ICP board error
351	Blue Satellite Firmware Configuration Error	ICP board error
352	Blue DAD1000 Bias Under Voltage Error	ICP board error
353	Blue DAD1000 Reset Under Voltage Error	ICP board error
354	Blue DAD1000 Offset Under Voltage Error	ICP board error
355	Blue DAD1000 Thermal Shutdown Error	ICP board error
356	RTC Error	Indicates that ICP RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”.
370	ICP Frame Memory Test Result Fail	ICP self test error due to “Frame memory error”
372	ICP Data Path Signature Test Result Fail(Param1)	ICP self test error due to “Data Path Signature Test Result Fail”
400	Enigma Comm Fail (Param1Param2Param3:Param4)	No communication with the Enigma board.
410	System Error	Enigma Status error
411	Self Test Error	Enigma Status error
412	Install Release Package Error	Enigma Status error
413	Load Release Package Error	Enigma Status error
414	TI Login List Package Error	Enigma Status error
415	Security Officer Login List Package Error	Enigma Status error
419	Certificate or Key Error	Enigma Status error
420	ICP Communications Status	Enigma fails to do logical marriage to ICP when Enigma powers up. Because of no communications with ICP during logical marriage.
426	User Loader Integrity Error	Enigma is in FIPS error state.(Integrity check error)
427	Main Application Integrity Error	Enigma is in FIPS error state.(Integrity check error)
428	RNG Hardware Integrity Error	Enigma is in FIPS error state.(Integrity check error)
429	DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
430	RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
431	AES Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
432	HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
433	SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Integrity check error)
434	TLS Integrity Error	Enigma is in FIPS error state.(Integrity check error)
435	FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Integrity check error)
436	FPGA CineLink 2 Decryption Integrity Error	Enigma is in FIPS error state.(Integrity check error)
437	RTC Error	Indicates that Enigma RTC is set to a date before January 1, 2009, and is likely invalid. If the year value is less than 2009, then the time is considered to be “invalid”
442	FPGA Configuration Error	Enigma Status error
443	FPGA Temperature out of range	Enigma Status error

446	RNG Hardware Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
447	DRNG Algorithm Duplicate Output Error	Enigma is in FIPS error state.(Integrity check error)
450	1.20V Supply out of range	Enigma Status error
451	1.80V Supply out of range	Enigma Status error
452	2.50V Supply out of range	Enigma Status error
453	3.30V Regulator out of range	Enigma Status error
458	SelfTest User Loader Integrity Error	Enigma is in FIPS error state.(Self test result)
459	SelfTest Main Application Integrity Error	Enigma is in FIPS error state.(Self test result)
460	SelfTest RNG Hardware Integrity Error	Enigma is in FIPS error state.(Self test result)
461	SelfTest DRNG Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
462	SelfTest RSA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
463	SelfTest AES Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
464	SelfTest HMAC Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
465	SelfTest SHA Algorithm Integrity Error	Enigma is in FIPS error state.(Self test result)
466	SelfTest TLS Integrity Error	Enigma is in FIPS error state.(Self test result)
467	SelfTest FPGA Configuration Integrity Error	Enigma is in FIPS error state.(Self test result)
468	SelfTest FPGA CineLink. 2 Decryption Integrity Error	Enigma is in FIPS error state.(Self test result)
474	Security Tamper	Security tamper condition exists in Enigma.
475	Top Side Security Enclosure Open	Security tamper condition exists in Enigma.
476	Bottom Side Security Enclosure Open	Security tamper condition exists in Enigma.
477	Security Battery Event	Battery tamper condition exists in Enigma.
478	Software Commanded Zeroization	Destroyed Enigma key by software command.
481	Security Enclosure Not Armed	Enigma security not armed.
482	Physical Marriage Tamper	Latched physical marriage tamper condition on Enigma board.
483	Logical Marriage Tamper	Logical marriage tamper condition exists in Enigma.
484	Marriage NOT Active	Marriage between ICP and Enigma has NOT been established (active).
486	Service Door Tamper	Latched service door tamper condition on Enigma board
487	Security Log Error	Security log is full and no more log entries can be created in Enigma. It is the server's responsibility to avoid the issue.
488	Security Battery Low Warning	Close to "(477) Security Battery Event".
489	Security Log Warning	Security log is almost full in Enigma. Close to "Security Log Error".
500	IMB Comm Fail (Param1Param2Param3:Param4)	No communication with the IMB.
510	IMB:System Error	IMB Status error
511	IMB:Self Test Error	IMB Status error
519	IMB:Certificate or Key Error	IMB Status error
520	IMB:ICP Communications Status	IMB fails to do logical marriage to ICP when IMB powers up. Because of no communications with ICP during logical marriage.
537	IMB:RTC Error	IMB RTC is "invalid"
543	IMB:FPGA Temperature out of range	IMB Status error
550	IMB:Supply voltage out of range	IMB Status error
574	IMB:Security Tamper	Security tamper condition exists in IMB.
577	IMB:Security Battery Event	Battery tamper condition exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Latched physical marriage tamper condition on IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper condition exists in IMB.
584	IMB:Marriage NOT Active	Marriage between ICP and IMB has NOT been

		established (active).
586	IMB:Service Door Tamper	Latched service door tamper condition on IMB
588	IMB:Security Battery Low Warning	Close to “(577) IMB: Security Battery Event”.
700	Slave Comm Fail(Param1,Param2)	Failed to communicate with slave MCU.
701	Slave Status Fail(Param1,Param2)	Slave MCU is in unexpected status.
703	Slave Comm Ack Fail(Param1,Param2)	Slave fails to execute the command.
740	SensorFail Inlet	Failed to read inlet sensor.
741	SensorFail DMD	Failed to read DMD sensor.
750	OverTemp.DMD Precaution(Param1)	Set inside temperature (DMD) is close to over temperature.
751	OverTemp.Inlet Precaution(Param1)	Set inside temperature (Inlet) is close to over temperature.
760	OverTemp.DMD(Param1)	Set inside temperature (DMD) is abnormal.
761	OverTemp.Inlet(Param1)	Set inside temperature (Inlet) is abnormal.
762	OverTemp.Light	Set inside temperature (Light) is abnormal.
781	Interlock Open	Interlock is open.
783	EepromFail	Slave MCU failed to read back all of data from EEPROM on slave MCU board due to unexpected data or something. (Slave board internal abnormality)
791	FanInitError	Failed to initialize fans.
792	ExGpioFail	Failed to control the signal connecting to Ballast. (Slave board internal abnormality)
793	Notch Filter Open	Notch Filter Cover is open.
800-801	Fan15-16 Stop (Param1,Param2,Param3/Param4)	Fan15-16 has stopped. Fan15-16 speed becomes less than 80% of target speed.
802	Pump1 Stop(Param1, Param2)	Pump1 has stopped.
803	Pump2 Stop(Param1, Param2)	Pump2 has stopped.
804	PhosphorWheel Stop (Param1, Param2)	PhosphorWheel has stopped.
805	DiffuserWheel Stop(Param1, Param2)	DiffuserWheel has stopped.
806	Fan17 Stop (Param1,Param2,Param3/Param4)	Fan17 has stopped.
807	Fan18 Stop (Param1,Param2,Param3/Param4)	Fan18 has stopped.
810-811	Fan15-16 Stop Precaution (Param1,Param2,Param3/Param4)	Fan15-16 Stop Precaution Fan15-16 speed becomes less than 85% of target speed.
812	Pump1 Stop Precaution (Param1, Param2)	Pump1 Stop Precaution
813	Pump2 Stop Precaution (Param1, Param2)	Pump2 Stop Precaution
814	PhosphorWheel Stop Precaution (Param1, Param2)	Phosphor Wheel Stop Precaution
815	DiffuserWheel Stop Precaution (Param1, Param2)	Diffuser Wheel Stop Precaution
816-817	Fan17-18 Stop Precaution (Param1,Param2,Param3/Param4)	Fan17-18 Stop Precaution
905	Fan Tilt Setting Fail	Failed to setup “Fan Tilt Setting – Auto” because G-sensor detects unknown status. To clear this error, select proper setting either of [Floor] or [Ceiling] from Fan Tilt Setting manually.
906	LD Version Read Fail	Failed to read Laser Driver Software version.
913	TiltDegreeOver	Projector tilt degree is out of spec..(-15> or >+10) To clear this warning, turn off and AC-OFF the projector,

		then setup projector with proper tilt angle within the spec..
914	LowerTemp(Param1)	Set inside temperature (Inlet) is lower temperature.
923-927	SensorFail LSDiode1-5	Set inside temperature (Laser Diode1-5) is abnormal.
928-931	SensorFail LSYDrv1-4	Set inside temperature (Laser Y Driver1-4) is abnormal.
932	SensorFail LSBDrv1	Set inside temperature (Laser Blue Driver) is abnormal.
933	SensorFail PhosphorWheel	Set inside temperature (Phosphor Wheel) is abnormal.
943-947	OverTemp.LSDiode1-5 Precaution(Param1)	Set inside temperature (Laser Diode1-5) is close to over temperature.
948-951	OverTemp.LSYDrv1-4 Precaution(Param1)	Set inside temperature (Laser Y Driver1-4) is close to over temperature.
952	OverTemp.LSBDrv1 Precaution(Param1)	Set inside temperature (Laser Blue Driver) is close to over temperature.
953	OverTemp.PhosphorWheel Precaution(Param1)	Set inside temperature (Phosphor Wheel) is close to over temperature.
963-967	OverTemp.LSDiode1-5(Param1)	Set inside temperature (Laser Diode1-5) is abnormal.
968-971	OverTemp.LSYDrv1-4(Param1)	Set inside temperature (Laser Y Driver1-4) is abnormal.
972	OverTemp.LSBDrv1(Param1)	Set inside temperature (Laser Blue Driver) is abnormal.
973	OverTemp.PhosphorWheel(Param1)	Set inside temperature (Phosphor Wheel) is abnormal.
982	ColorSensorFail	Failed to control color sensor.
984	GSensorError	Failed to control G-sensor.
985	LD CommError	In I2C communication between slave uC and LD(Laser Driver) uC, no ack from LD uC. (Slave uC: I2C slave, LD uC: I2C host)
988	LensInstallSWOpen	Lens install switch is open.
989	BrightnessLow	Brightness is too low.
990	LDEepromFail	Data check sum error in EEPROM on LD board.
991	FrontCoverSWOpen	Front cover swtich is open.
992	LDMCULockUp	LD uC is locked up.
993	54VError	54V is abnormal.

(6-9) Model Type : NC1201L-A

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
5	Light Unlit	The light source is not on.
12	EEPROM R Fail (Param1(Param2):Param3)	E2PROM data read error.
13	Interlock Fail	Interlock is activated.
15	EEPROM W Fail (Param1(Param2):Param3)	E2PROM data write error.
120	DLP Ack Fail(Param1)	Cinema circuit operation fail.
121	Lens Fail(Param1)(Param2, Param3)	Lens unit control error.
138	ICP CriticalFail(Param1)	Cinema circuit system critial fail
139	ICP PowerOn Fail(Param1)	Cinema circuit system startup fail.
141	DLP CommE Fail(Param1:Param2)	Communication errror with cinema circuit.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.
166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy. * This message would be shown on Log, not on LCD.
177	Tamper Fail(Param1)	Projector service door tamper switch is open.
178	Marriage Tamper Fail(Param1)	Projector marriage tamper switch is open.
190	The Validity has expired.	The time limit for use of the projector has expired. * In cases when the validity setting has been configured with the projector.
191	Different Serial Number	There is a mismtach in the serial number of the main unit internally saved on the projector.
271	IMB:SD Tamper Terminate(Param1)	IMB service door tamper termination is executed. * This message will not show on LCD.
301	System Error	Cinema circuit error.
302	Self Test Error	Cinema circuit error.
305	Key Error	Projector private key error.
306	Certificate Error	Projector certificate error.
329	Sequence Data File Mismatch	Cinema circuit status error.
333	Satellite Hardware Mismatch	Cinema circuit status error.
335	Red Satellite Reports Reset	Cinema circuit status error.
336	Red Satellite Serial Link Error	Cinema circuit status error.
337	Red Satellite Firmware Configuration Error	Cinema circuit status error.
342	Green Satellite Reports Reset	Cinema circuit status error.
343	Green Satellite Serial Link Error	Cinema circuit status error.
344	Green Satellite Firmware Configuration Error	Cinema circuit status error.
349	Blue Satellite Reports Reset	Cinema circuit status error.
350	Blue Satellite Serial Link Error	Cinema circuit status error.
351	Blue Satellite Firmware Configuration Error	Cinema circuit status error.
370	ICP Frame Memory Test Result Fail	Cinema circuit status error.
372	ICP Data Path Signature Test Result Fail	Cinema circuit status error.

380	DRS Error(Low Battery)	Projector battery is low. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error will occur when you turn on the power again.
381	SEC No Battery	Cinema circuit status error. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error may occur when you turn on the power again.
500	IMB Comm Fail (Param1Param2Param3:Param4)	Communication error with the IMB.
510	IMB:System Error	IMB Status error.
511	IMB:Self Test Error	IMB Status error.
519	IMB:Certificate or Key Error	IMB certificate or private key error.
520	IMB:ICP Communications Status	IMB can not connect the projector for logical marriage.
537	IMB:RTC Error	IMB Status error.
542	IMB:FPGA Configuration Error	IMB Status error.
543	IMB:FPGA Temperature out of range	IMB Status error.
550	IMB:Supply voltage out of range	IMB Status error.
574	IMB:Security Tamper	Security tamper event exists in IMB.
577	IMB:Security Battery Event	Battery tamper event exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Physical marriage tamper event exists in IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper event exists in IMB.
584	IMB:Marriage NOT Active	IMB does not marriage with the projector yet.
586	IMB:Service Door Tamper	Service door tamper event exists in IMB.
588	IMB:Security Battery Low Warning	Reaching to "(577) IMB: Security Battery Event".
1000	Slave Comm Fail(Param1:Param2)	Communication error with the Slave CPU.
1003	Slave Ack Fail(Param1:Param2)	Slave CPU command executioon fail.
1004	Slave Power Ready Fail	Slave CPU is not ready.
1005	Slave No Notify(Param1)[(Param2)]	No message from Slave CPU to notify the command completion.
1010	LD Data Comp.Fail(Param1)	There is an inconsistency in the light source 2 calibration data or there is an error with the devices for the calibration data saving.
1011	LD Data Warning(Param1)	Light source calibration data is corrupted or empty.
1111	Filter1 Cleaning Time(Param1)	The time to clean air filter.
1112	Filter2 Cleaning Time(Param1)	The time to clean air filter.
1113	Filter3 Cleaning Time(Param1)	The time to clean air filter.
1114	Filter4 Cleaning Time(Param1)	The time to clean air filter.
1200	Fan1 Stop(Param1)	Fan stop.
1201	Fan2 Stop(Param1)	Fan stop.
1202	Fan3 Stop(Param1)	Fan stop.
1203	Fan4 Stop(Param1)	Fan stop.
1204	Fan5 Stop(Param1)	Fan stop.
1205	Fan6 Stop(Param1)	Fan stop.
1206	Fan7 Stop(Param1)	Fan stop.
1207	Fan8 Stop(Param1)	Fan stop.
1208	Fan9 Stop(Param1)	Fan stop.
1209	Fan10 Stop(Param1)	Fan stop.

1210	Fan11 Stop(Param1)	Fan stop.
1211	Fan12 Stop(Param1)	Fan stop.
1212	Fan13 Stop(Param1)	Fan stop.
1213	Fan14 Stop(Param)	Fan stop.
1214	Fan15 Stop(Param1)	Fan stop.
1215	Fan16 Stop(Param1)	Fan stop.
1216	Fan17 Stop(Param1)	Fan stop.
1217	Fan18 Stop(Param1)	Fan stop.
1218	Fan19 Stop(Param1)	Fan stop.
1219	Fan20 Stop(Param1)	Fan stop.
1220	Fan21 Stop(Param1)	Fan stop.
1221	Fan22 Stop(Param1)	Fan stop.
1222	Fan23 Stop(Param1)	Fan stop.
1223	Fan24 Stop(Param1)	Fan stop.
1224	Fan25 Stop(Param1)	Fan stop.
1225	Fan26 Stop(Param1)	Fan stop.
1226	Fan27 Stop(Param1)	Fan stop.
1227	Fan28 Stop(Param1)	Fan stop.
1228	Fan29 Stop(Param1)	Fan stop.
1250	Phosphor Wheel Stop(Param1)	Phosphor Wheel has stopped.
1251	Diffuser Stop(Param1)	Diffuser Motor has stopped.
1300	OverTemp.Temp1(Param1)	Set inside temperature is abnormal.
1301	OverTemp.Temp2(Param1)	Set inside temperature is abnormal.
1302	OverTemp.Temp3(Param1)	Set inside temperature is abnormal.
1303	OverTemp.Temp4(Param1)	Set inside temperature is abnormal.
1304	OverTemp.Temp5(Param1)	Set inside temperature is abnormal.
1305	OverTemp.Temp6(Param1)	Set inside temperature is abnormal.
1306	OverTemp.Temp7(Param1)	Set inside temperature is abnormal.
1307	OverTemp.Temp8(Param1)	Set inside temperature is abnormal.
1308	OverTemp.Temp9(Param1)	Set inside temperature is abnormal.
1309	OverTemp.Temp10(Param1)	Set inside temperature is abnormal.
1310	OverTemp.Temp11(Param1)	Set inside temperature is abnormal.
1311	OverTemp.Temp12(Param1)	Set inside temperature is abnormal.
1312	OverTemp.Temp13(Param1)	Set inside temperature is abnormal.
1313	OverTemp.Temp14(Param1)	Set inside temperature is abnormal.
1350	OverTemp.Sensor Temp1(Param1)	Set inside temperature is abnormal.
1400	OverTemp.Temp1 Precaution(Param1)	Set inside temperature is abnormal.
1401	OverTemp.Temp2 Precaution(Param1)	Set inside temperature is abnormal.
1402	OverTemp.Temp3 Precaution(Param1)	Set inside temperature is abnormal.
1403	OverTemp.Temp4 Precaution(Param1)	Set inside temperature is abnormal.
1404	OverTemp.Temp5 Precaution(Param1)	Set inside temperature is abnormal.
1405	OverTemp.Temp6 Precaution(Param1)	Set inside temperature is abnormal.
1406	OverTemp.Temp7 Precaution(Param1)	Set inside temperature is abnormal.
1407	OverTemp.Temp8 Precaution(Param1)	Set inside temperature is abnormal.
1408	OverTemp.Temp9 Precaution(Param1)	Set inside temperature is abnormal.
1409	OverTemp.Temp10 Precaution(Param1)	Set inside temperature is abnormal.
1410	OverTemp.Temp11 Precaution(Param1)	Set inside temperature is abnormal.

1411	OverTemp.Temp12 Precaution(Param1)	Set inside temperature is close to over temperature.
1412	OverTemp.Temp13 Precaution(Param1)	Set inside temperature is close to over temperature.
1413	OverTemp.Temp14 Precaution(Param1)	Set inside temperature is close to over temperature.
1450	OverTemp.Sensor Temp1 Precaution(Param1)	Set inside temperature is close to over temperature.
1500	P3P3V SAT PGOOD Fail	Abnormal voltage.
1501	P2P5V SAT PGOOD Fail	Abnormal voltage.
1502	XVT PGOOD Fail	Abnormal voltage.
1503	P2P5V X PGOOD Fail	Abnormal voltage.
1504	P1P8V X PGOOD Fail	Abnormal voltage.
1505	P1V X PGOOD Fail	Abnormal voltage.
1506	FMT FPGA DONE Fail	FMT FPGA Configuration Error.
1507	SSL FPGA DONE Fail	SSL FPGA Configuration Error.
1508	SSL FPGA Comm Fail	SSL FPGA Communication Error.
1509	EXGPIO IC602 Fail	I2C Device Access Error.
1510	EXGPIO IC603 Fail	I2C Device Access Error.
1511	EXGPIO IC604 Fail	I2C Device Access Error.
1512	EEPROM IC2800 Write Fail	I2C Device Access Error.
1513	EEPROM IC601 Read Fail	I2C Device Access Error.
1514	EEPROM IC601 Write Fail	I2C Device Access Error.
1515	EEPROM IC601 Write Fail(Verify)	I2C Device Access Error.
1516	I2C_Fail_IC1800	I2C Device Access Error.
1517	I2C_Fail_IC1801	I2C Device Access Error.
1518	I2C_Fail_IC151	I2C Device Access Error.
1519	I2C_Fail_IC161	I2C Device Access Error.
1520	I2C_Fail_IC271	I2C Device Access Error.
1524	Overtemp.LightY1	Light unit over temperature.
1525	Overtemp.LightY2	Light unit over temperature.
1526	Overtemp.LightB	Light unit over temperature.
1527	Overtemp.Phosphor	Light unit over temperature.
1528	Lens Install SW Activation 0	Lens Install Switch 0 is open.
1529	Lens Install SW Activation 1	Lens Install Switch 1 is open.
1536	LD Driver1 Fail	LD Driver 1A/1B is abnormal.
1537	LD Driver2 Fail	LD Driver 2A/2B is abnormal.
1538	EEPROM IC2800 Read Fail	I2C Device Access Error.
1539	LD Driver EEPROM Read Fail	I2C Device Access Error.
1540	LD Driver EEPROM Write Fail	I2C Device Access Error.
1541	LD SPI Comm Fail	LD Driver Communication Error.
1600	Fan1 Stop Precaution(Param1)	Fan Stop Precaution.
1601	Fan2 Stop Precaution(Param1)	Fan Stop Precaution.
1602	Fan3 Stop Precaution(Param1)	Fan Stop Precaution.
1603	Fan4 Stop Precaution(Param1)	Fan Stop Precaution.
1604	Fan5 Stop Precaution(Param1)	Fan Stop Precaution.
1605	Fan6 Stop Precaution(Param1)	Fan Stop Precaution.
1606	Fan7 Stop Precaution(Param1)	Fan Stop Precaution.
1607	Fan8 Stop Precaution(Param1)	Fan Stop Precaution.
1608	Fan9 Stop Precaution(Param1)	Fan Stop Precaution.
1609	Fan10 Stop Precaution(Param1)	Fan Stop Precaution.

1610	Fan11 Stop(Param1)	Fan Stop Precaution.
1611	Fan12 Stop(Param1)	Fan Stop Precaution.
1612	Fan13 Stop(Param1)	Fan Stop Precaution.
1613	Fan14 Stop(Param1)	Fan Stop Precaution.
1614	Fan15 Stop(Param1)	Fan Stop Precaution.
1615	Fan16 Stop(Param1)	Fan Stop Precaution.
1616	Fan17 Stop(Param1)	Fan Stop Precaution.
1617	Fan18 Stop(Param1)	Fan Stop Precaution.
1618	Fan19 Stop(Param1)	Fan Stop Precaution.
1619	Fan20 Stop(Param1)	Fan Stop Precaution.
1620	Fan21 Stop(Param1)	Fan Stop Precaution.
1621	Fan22 Stop(Param1)	Fan Stop Precaution.
1622	Fan23 Stop(Param1)	Phosphor Wheel Stop Precaution.
1623	Fan24 Stop(Param1)	Diffuser Motor Stop Precaution.
1624	Fan25 Stop(Param1)	Phosphor Wheel Stop Precaution.
1625	Fan26 Stop(Param1)	Diffuser Motor Stop Precaution.
1626	Fan27 Stop(Param1)	Fan Stop Precaution.
1627	Fan28 Stop(Param1)	Fan Stop Precaution.
1628	Fan29 Stop(Param1)	Fan Stop Precaution.
2000	IntegrityFail(Param1)	Integrity error with the internal software code of the projector. * When this error has occurred, the projector will not accept any external demands. Communication with external devices will not be performed either.
2002	LD Y Error(Param1,Param2,Param3)	The light source is not on.
2003	LD B Error(Param1)	The light source is not on due to protections.
2004	LD VIN Error(Param1)	The light source is not on.

(6-10) Model Type : NC1000C

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Power supply is abnormal.
5	Light Unlit	The light source is not on.
12	EEPROM R Fail (Param1(Param2):Param3)	E2PROM data read error.
15	EEPROM W Fail (Param1(Param2):Param3)	E2PROM data write error.
120	DLP Ack Fail(Param1)	Cinema circuit operation fail.
121	Lens Fail(Param1)(Param2, Param3)	Lens unit control error.
138	ICP CriticalFail(Param1)	Cinema circuit system critial fail
139	ICP PowerOn Fail(Param1)	Cinema circuit system startup fail.
141	DLP CommE Fail(Param1:Param2)	Communication errror with cinema circuit.
151	Fan1 Stop(Param1)	Fan has stopped.
152	Fan2 Stop(Param1)	Fan has stopped.
153	Fan3 Stop(Param1)	Fan has stopped.
154	Fan4 Stop(Param1)	Fan has stopped.

155	Fan5 Stop(Param1)	Fan has stopped.
156	Fan6 Stop(Param1)	Fan has stopped.
157	Fan7 Stop(Param1)	Fan has stopped.
158	Fan8 Stop(Param1)	Fan has stopped.
159	Fan9 Stop(Param1)	Fan has stopped.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.
166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy. * This message would be shown on Log, not on LCD.
177	Tamper Fail(Param1)	Projector service door tamper switch is open.
178	Marriage Tamper Fail(Param1)	Projector marriage tamper switch is open.
190	The Validity has expired.	The time limit for use of the projector has expired. * In cases when the validity setting has been configured with the projector.
191	Different Serial Number	There is a mismtach in the serial number of the main unit internally saved on the projector.
245	Fan10 Stop(Param1)	Fan has stopped.
246	Fan11 Stop(Param1)	Fan has stopped.
247	Fan12 Stop(Param1)	Fan has stopped.
248	Fan13 Stop(Param1)	Fan has stopped.
249	Fan14 Stop(Param)	Fan has stopped.
251	Fan1 Stop Precaution(Param1)	Fan stop precaution.
252	Fan2 Stop Precaution(Param1)	Fan stop precaution.
253	Fan3 Stop Precaution(Param1)	Fan stop precaution.
254	Fan4 Stop Precaution(Param1)	Fan stop precaution.
255	Fan5 Stop Precaution(Param1)	Fan stop precaution.
256	Fan6 Stop Precaution(Param1)	Fan stop precaution.
257	Fan7 Stop Precaution(Param1)	Fan stop precaution.
258	Fan8 Stop Precaution(Param1)	Fan stop precaution.
259	Fan9 Stop Precaution(Param1)	Fan stop precaution.
264	Fan10 Stop Precaution(Param1)	Fan stop precaution.
265	Fan11 Stop Precaution(Param1)	Fan stop precaution.
266	Fan12 Stop Precaution(Param1)	Fan stop precaution.
267	Fan13 Stop Precaution(Param1)	Fan stop precaution.
268	Fan14 Stop Precaution(Param)	Fan stop precaution.
271	IMB:SD Tamper Terminate(Param1)	IMB service door tamper termination is executed. * This message will not show on LCD.
301	System Error	Cinema circuit error.
302	Self Test Error	Cinema circuit error.
305	Key Error	Projector private key error.
306	Certificate Error	Projector certificate error.
329	Sequence Data File Mismatch	Cinema circuit status error.
333	Satellite Hardware Mismatch	Cinema circuit status error.
335	Red Satellite Reports Reset	Cinema circuit status error.
336	Red Satellite Serial Link Error	Cinema circuit status error.
337	Red Satellite Firmware Configuration Error	Cinema circuit status error.
342	Green Satellite Reports Reset	Cinema circuit status error.
343	Green Satellite Serial Link Error	Cinema circuit status error.

344	Green Satellite Firmware Configuration Error	Cinema circuit status error.
349	Blue Satellite Reports Reset	Cinema circuit status error.
350	Blue Satellite Serial Link Error	Cinema circuit status error.
351	Blue Satellite Firmware Configuration Error	Cinema circuit status error.
370	ICP Frame Memory Test Result Fail	Cinema circuit status error.
372	ICP Data Path Signature Test Result Fail	Cinema circuit status error.
380	DRS Error(Low Battery)	Projector battery is low. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error will occur when you turn on the power again.
381	SEC No Battery	Cinema circuit status error. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error may occur when you turn on the power again.
500	IMB Comm Fail (Param1Param2Param3:Param4)	Communication error with the IMB.
510	IMB:System Error	IMB Status error.
511	IMB:Self Test Error	IMB Status error.
519	IMB:Certificate or Key Error	IMB certificate or private key error.
520	IMB:ICP Communications Status	IMB can not connect the projector for logical marriage.
537	IMB:RTC Error	IMB Status error.
542	IMB:FPGA Configuration Error	IMB Status error.
543	IMB:FPGA Temperature out of range	IMB Status error.
550	IMB:Supply voltage out of range	IMB Status error.
574	IMB:Security Tamper	Security tamper event exists in IMB.
577	IMB:Security Battery Event	Battery tamper event exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Physical marriage tamper event exists in IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper event exists in IMB.
584	IMB:Marriage NOT Active	IMB does not marriage with the projector yet.
586	IMB:Service Door Tamper	Service door tamper event exists in IMB.
588	IMB:Security Battery Low Warning	Reaching to "(577) IMB: Security Battery Event".
700	OPT Comm Fail(Param1:Param2)	Communication error with the OPT CPU.
701	OPT Status Fail(Param1,Param2)	OPT MCU status error.
702	Lamp Lit Change(Param1,Param2)	Lamp status is changed.
703	OPT Comm Ack Fail(Param1:Param2)	Communication error with the OPT CPU.
704	LampOff Fail	Lamp Off error.
710	Lamp1 OverTime(Param1)	Lamp1 cumulative time is over.
711	Lamp2 OverTime(Param1)	Lamp2 cumulative time is over.
720	Lamp1 Door Open(Warning)	Lamp1 door (cover) is open while projector is in "Advanced User Mode" or higher.
721	Lamp2 Door Open(Warning)	Lamp2 door (cover) is open while projector is in "Advanced User Mode" or higher.
740	SensorFail Inlet1	Sensor error.
741	SensorFail DMD	Sensor error.
750	OverTemp.DMD Precaution(Param1)	Set inside temperature is abnormal.
751	OverTemp.Inlet1 Precaution(Param1)	Set inside temperature is abnormal.
752	Down Lamp Power Activated	Start to down lamp power due to over temperature.
753	OverTemp.Ballast1 Precaution(Param1)	Ballast1 inside temperature is close to abnormal.

754	OverTemp.Ballast2 Precaution(Param1)	Ballast2 inside temperature is close to abnormal.
760	OverTemp.DMD(Param1)	Set inside temperature is abnormal.
761	OverTemp.Inlet1(Param1)	Set inside temperature is abnormal.
762	OverTemp.Lamp	Set inside temperature is abnormal.
764	OverTemp.Ballast1(Param1)	Ballast1 inside temperature is abnormal
765	OverTemp.Ballast2(Param1)	Ballast2 inside temperature is abnormal
781	Interlock Open	Interlock is activated.
782	SystemI2cFail	I2C Device Access Error.
783	EepromFail	I2C Device Access Error.
785	SoftwareI2cFail	I2C Device Access Error.
786	PreCooling	Execute pre-cooling.
787	Lamp1 Door Open	Lamp1 door (cover) is open.
788	Lamp2 Door Open	Lamp2 door (cover) is open.
789	Ballast1UartError	Ballast1 communicaion error.
790	Ballast2UartError	Ballast2 communicaion error.
791	FanInitError	Fan initialization error.
792	ExGpioFail	I2C Device Access Error.
793	Notch Filter Open	Notch Filter Cover Open.
794	Inlet2 Sensor	Inlet2 sensor error.
800	Fan15 Stop(Param1)	Fan has stopped.
801	Fan16 Stop(Param1)	Fan has stopped.
806	Fan17 Stop(Param1)	Fan has stopped.
807	Fan18 Stop(Param1)	Fan has stopped.
808	Fan19 Stop(Param1)	Fan has stopped.
809	Fan20 Stop(Param1)	Fan has stopped.
810	Fan15 Stop Precaution(Param1)	Fan stop precaution.
811	Fan16 Stop Precaution(Param1)	Fan stop precaution.
816	Fan17 Stop Precaution(Param1)	Fan stop precaution.
817	Fan18 Stop Precaution(Param1)	Fan stop precaution.
818	Fan19 Stop Precaution(Param1)	Fan stop precaution.
819	Fan20 Stop Precaution(Param1)	Fan stop precaution.
830	Fan21 Stop(Param1)	Fan has stopped.
850	Fan21 Stop Precaution(Param1)	Fan stop precaution.
1000	Slave Comm Fail(Param1:Param2)	Communication error with the Slave CPU.
1003	Slave Ack Fail(Param1:Param2)	Slave CPU command executioon fail.
1004	Slave Power Ready Fail	Slave CPU is not ready.
1005	Slave No Notify(Param1)[(Param2)]	No message from Slave CPU to notify the command completion.
1111	Filter1 Cleaning Time(Param1)	The time to clean air filter1.
1112	Filter2 Cleaning Time(Param1)	The time to clean air filter2.
1121	Filter1 Time Over(Param1)	Air filter1 cumulative time is over.
1122	Filter2 Time Over(Param1)	Air filter2 cumulative time is over.
1500	P3P3V SAT PGOOD Fail	Abnormal voltage.
1501	P2P5V SAT PGOOD Fail	Abnormal voltage.
1502	XVT PGOOD Fail	Abnormal voltage.
1503	P2P5V X PGOOD Fail	Abnormal voltage.
1504	P1P8V X PGOOD Fail	Abnormal voltage.
1505	P1V X PGOOD Fail	Abnormal voltage.

1506	FMT FPGA DONE Fail	FMT FPGA Configuration Error.
1509	EXGPIO IC602 Fail	I2C Device Access Error.
1510	EXGPIO IC603 Fail	I2C Device Access Error.
1511	EXGPIO IC604 Fail	I2C Device Access Error.
1512	EEPROM IC2800 Write Fail	I2C Device Access Error.
1513	EEPROM IC601 Read Fail	I2C Device Access Error.
1514	EEPROM IC601 Write Fail	I2C Device Access Error.
1515	EEPROM IC601 Write Fail(Verify)	I2C Device Access Error.
1538	EEPROM IC2800 Read Fail	I2C Device Access Error.
1550	EEPROM IC2800 Write Fail	I2C Device Access Error.
2000	IntegrityFail(Param1)	Integrity error with the internal software code of the projector. * When this error has occurred, the projector will not accept any external demands. Communication with external devices will not be performed either.
2010	Incorrect power-off	PowerOff was not performed correctly last time.
2011	No LampSerial Number	No lamp serial number entry.
2012	Input Lamp S/N	Need to entry lamp serial number due to hot swap execution.

(6-11) Model Type : NC1700L

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Power supply is abnormal.
5	Light Unlit	The light source is not on.
12	EEPROM R Fail (Param1(Param2):Param3)	E2PROM data read error.
15	EEPROM W Fail (Param1(Param2):Param3)	E2PROM data write error.
120	DLP Ack Fail(Param1)	Cinema circuit operation fail.
121	Lens Fail(Param1)(Param2, Param3)	Lens unit control error.
138	ICP CriticalFail(Param1)	Cinema circuit system critial fail
139	ICP PowerOn Fail(Param1)	Cinema circuit system startup fail.
141	DLP CommE Fail(Param1:Param2)	Communication errror with cinema circuit.
151	Fan1 Stop(Param1)	Fan has stopped.
152	Fan2 Stop(Param1)	Fan has stopped.
153	Fan3 Stop(Param1)	Fan has stopped.
154	Fan4 Stop(Param1)	Fan has stopped.
155	Fan5 Stop(Param1)	Fan has stopped.
156	Fan6 Stop(Param1)	Fan has stopped.
157	Fan7 Stop(Param1)	Fan has stopped.
158	Fan8 Stop(Param1)	Fan has stopped.
159	Fan9 Stop(Param1)	Fan has stopped.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.

166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy. * This message would be shown on Log, not on LCD.
177	Tamper Fail(Param1)	Projector service door tamper switch is open.
178	Marriage Tamper Fail(Param1)	Projector marriage tamper switch is open.
190	The Validity has expired.	The time limit for use of the projector has expired. * In cases when the validity setting has been configured with the projector.
191	Different Serial Number	There is a mismtach in the serial number of the main unit internally saved on the projector.
192	Different Model Code	There is a mismtach in the model code of the main unit internally saved on the projector.
217	Chiller Filter Cleaning(Param1)	The time to clean chiller air filter.
245	Fan10 Stop(Param1)	Fan has stopped.
246	Fan11 Stop(Param1)	Fan has stopped.
247	Fan12 Stop(Param1)	Fan has stopped.
248	Fan13 Stop(Param1)	Fan has stopped.
249	Fan14 Stop(Param)	Fan has stopped.
251	Fan1 Stop Precaution(Param1)	Fan stop precaution.
252	Fan2 Stop Precaution(Param1)	Fan stop precaution.
253	Fan3 Stop Precaution(Param1)	Fan stop precaution.
254	Fan4 Stop Precaution(Param1)	Fan stop precaution.
255	Fan5 Stop Precaution(Param1)	Fan stop precaution.
256	Fan6 Stop Precaution(Param1)	Fan stop precaution.
257	Fan7 Stop Precaution(Param1)	Fan stop precaution.
258	Fan8 Stop Precaution(Param1)	Fan stop precaution.
259	Fan9 Stop Precaution(Param1)	Fan stop precaution.
264	Fan10 Stop Precaution(Param1)	Fan stop precaution.
265	Fan11 Stop Precaution(Param1)	Fan stop precaution.
266	Fan12 Stop Precaution(Param1)	Fan stop precaution.
267	Fan13 Stop Precaution(Param1)	Fan stop precaution.
268	Fan14 Stop Precaution(Param)	Fan stop precaution.
271	IMB:SD Tamper Terminate(Param1)	IMB service door tamper termination is executed. * This message will not show on LCD.
301	System Error	Cinema circuit error.
302	Self Test Error	Cinema circuit error.
305	Key Error	Projector private key error.
306	Certificate Error	Projector certificate error.
329	Sequence Data File Mismatch	Cinema circuit status error.
333	Satellite Hardware Mismatch	Cinema circuit status error.
335	Red Satellite Reports Reset	Cinema circuit status error.
336	Red Satellite Serial Link Error	Cinema circuit status error.
337	Red Satellite Firmware Configuration Error	Cinema circuit status error.
342	Green Satellite Reports Reset	Cinema circuit status error.
343	Green Satellite Serial Link Error	Cinema circuit status error.
344	Green Satellite Firmware Configuration Error	Cinema circuit status error.
349	Blue Satellite Reports Reset	Cinema circuit status error.
350	Blue Satellite Serial Link Error	Cinema circuit status error.
351	Blue Satellite Firmware Configuration Error	Cinema circuit status error.
370	ICP Frame Memory Test Result Fail	Cinema circuit status error.

372	ICP Data Path Signature Test Result Fail	Cinema circuit status error.
380	DRS Error(Low Battery)	Projector battery is low. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error will occur when you turn on the power again.
381	SEC No Battery	Cinema circuit status error. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error may occur when you turn on the power again.
500	IMB Comm Fail (Param1Param2Param3:Param4)	Communication error with the IMB.
510	IMB:System Error	IMB Status error.
511	IMB:Self Test Error	IMB Status error.
519	IMB:Certificate or Key Error	IMB certificate or private key error.
520	IMB:ICP Communications Status	IMB can not connect the projector for logical marriage.
537	IMB:RTC Error	IMB Status error.
542	IMB:FPGA Configuration Error	IMB Status error.
543	IMB:FPGA Temperature out of range	IMB Status error.
550	IMB:Supply voltage out of range	IMB Status error.
574	IMB:Security Tamper	Security tamper event exists in IMB.
577	IMB:Security Battery Event	Battery tamper event exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Physical marriage tamper event exists in IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper event exists in IMB.
584	IMB:Marriage NOT Active	IMB does not marriage with the projector yet.
586	IMB:Service Door Tamper	Service door tamper event exists in IMB.
588	IMB:Security Battery Low Warning	Reaching to "(577) IMB: Security Battery Event".
700	OPT Comm Fail(Param1:Param2)	Communication error with the OPT CPU.
701	OPT Status Fail(Param1,Param2)	OPT MCU status error.
703	OPT Comm Ack Fail(Param1:Param2)	Communication error with the OPT CPU.
740	SensorFail Inlet	Sensor error.
741	SensorFail DMD	Sensor error.
750	OverTemp.DMD Precaution(Param1)	Set inside temperature is abnormal.
751	OverTemp.Inlet Precaution(Param1)	Set inside temperature is abnormal.
760	OverTemp.DMD(Param1)	Set inside temperature is abnormal.
761	OverTemp.Inlet(Param1)	Set inside temperature is abnormal.
762	OverTemp.Light	Set inside temperature is abnormal.
781	Interlock Open	Interlock is activated.
783	EepromFail	I2C Device Access Error.
791	FanInitError	Fan initialization error.
792	ExGpioFail	I2C Device Access Error.
800	Fan15 Stop(Param1)	Fan has stopped.
801	Fan16 Stop(Param1)	Fan has stopped.
802	Pump Stop(Param1)	Pump has stopped.
804	PhosphorWheel Stop(Param1)	Phosphor Wheel has stopped.
805	Diffuser1 Wheel Stop(Param1)	Diffuser wheel has stoppped.
806	Fan17 Stop(Param1)	Fan has stopped.
810	Fan15 Stop Precaution(Param1)	Fan stop precaution.

811	Fan16 Stop Precaution(Param1)	Fan stop precaution.
812	Pump Stop Precaution(Param1)	Pump stop precaution.
814	PhosphorWheel Stop Precaution(Param1)	Phosphor Wheel stop precaution.
815	Diffuser1 Wheel Stop Precaution(Param1)	Diffuser wheel stop precaution.
816	Fan17 Stop Precaution(Param1)	Fan stop precaution.
906	LD Version Read Fail	LD MCU version read fail.
913	TiltDegreeOver	Projector installation angle is abnormal.
914	LowerTemp	Lower temperature error.
933	SensorFail PhosphorWheel	Sensor error.
953	OverTemp.PhosphorWheel Precaution(Param1)	Set inside temperature is close to over temperature.
973	OverTemp.PhosphorWheel(Param1)	Set inside temperature is abnormal.
982	ColorSensorFail	Color sensor error.
984	GSensorError	GSensor gsensor error.
985	LD CommError	LD MCU communication fail.
988	LensInstallSWOpen	Lens install error.
989	BrightnessLow	Brightness brightness error.
990	LaserBDEepromFail	Laser bdeeprom error.
992	LDMCULockUp	LDMCULock ldmculock error.
993	54VError	54V is abnormal.
994	LDMCUBeenReset	LDMCUBeen ldmcubeen error.
995	LDEepromFail	LDEeprom ldeeprom error.
996	KEY Switch Off	The administrator key is turned off.
997	LD Board Config Mismatch	Laser driver board switch(SW801) setting is different.
1000	Slave Comm Fail(Param1:Param2)	Communication error with the Slave CPU.
1003	Slave Ack Fail(Param1:Param2)	Slave CPU command executioon fail.
1004	Slave Power Ready Fail	Slave CPU is not ready.
1005	Slave No Notify(Param1)[(Param2)]	No message from Slave CPU to notify the command completion.
1500	P3P3V SAT PGOOD Fail	Abnormal voltage.
1501	P2P5V SAT PGOOD Fail	Abnormal voltage.
1502	XVT PGOOD Fail	Abnormal voltage.
1503	P2P5V X PGOOD Fail	Abnormal voltage.
1504	P1P8V X PGOOD Fail	Abnormal voltage.
1505	P1V X PGOOD Fail	Abnormal voltage.
1506	FMT FPGA DONE Fail	FMT FPGA Configuration Error.
1509	EXGPIO IC602 Fail	I2C Device Access Error.
1510	EXGPIO IC603 Fail	I2C Device Access Error.
1511	EXGPIO IC604 Fail	I2C Device Access Error.
1512	EEPROM IC2800 Write Fail	I2C Device Access Error.
1513	EEPROM IC601 Read Fail	I2C Device Access Error.
1514	EEPROM IC601 Write Fail	I2C Device Access Error.
1515	EEPROM IC601 Write Fail(Verify)	I2C Device Access Error.
1538	EEPROM IC2800 Read Fail	I2C Device Access Error.
1550	EEPROM IC2800 Write Fail	I2C Device Access Error.
2000	IntegrityFail(Param1)	Integrity error with the internal software code of the projector. * When this error has occurred, the projector will not accept any external demands. Communication with external devices will not be performed either.

2010	Incorrect power-off	PowerOff was not performed correctly last time.
2100	Diffuser2 Wheel Stop(Param1)	Diffuser wheel2 has stopped.
2101	Diffuser2 Wheel Stop Precaution(Param1)	Diffuser wheel2 stop precaution.
2110	OverTemp.LS_G1 Precaution(Param1)	Set inside temperature is close to over temperature.
2111	OverTemp.LS_G2 Precaution(Param1)	Set inside temperature is close to over temperature.
2112	OverTemp.LS_G3 Precaution(Param1)	Set inside temperature is close to over temperature.
2113	OverTemp.LS_G4 Precaution(Param1)	Set inside temperature is close to over temperature.
2114	OverTemp.LS_B Precaution(Param1)	Set inside temperature is close to over temperature.
2115	OverTemp.LS_R Precaution(Param1)	Set inside temperature is close to over temperature.
2120	OverTemp.LS_G1(Param1)	Set inside temperature is abnormal.
2121	OverTemp.LS_G2(Param1)	Set inside temperature is abnormal.
2122	OverTemp.LS_G3(Param1)	Set inside temperature is abnormal.
2123	OverTemp.LS_G4(Param1)	Set inside temperature is abnormal.
2124	OverTemp.LS_B(Param1)	Set inside temperature is abnormal.
2125	OverTemp.LS_R(Param1)	Set inside temperature is abnormal.
2130	SensorFail LS_G_Module1	Sensor error.
2131	SensorFail LS_G_Module2	Sensor error.
2132	SensorFail LS_G_Module3	Sensor error.
2133	SensorFail LS_G_Module4	Sensor error.
2134	SensorFail LS_B_Module	Sensor error.
2135	SensorFail LS_R_String	Sensor error.
2140	Chiller On Fail	Failed to power on chiller.
2141	Chiller Pump over loading	Chiller pump over-loading error.
2142	Chiller Compressor over loading	Chiller compressor over-loading error.
2143	Chiller Refrigerant pressure too high	Pressure in chiller is high.
2144	Chiller Coolant pressure too low	Pressure in chiller is low.
2145	Chiller Refrigerant pressure too low	Pressure in chiller is low.
2146	Chiller Cooling liquid flowing error	Chiller liquid flow error.
2147	Chiller Cooling Fan Error	Chiller fan has stopped.
2148	Chiller communication Fail	Chiller communication error.
2150	Coolant Temp. out of range	Chiller current temperature not change to target temperature

(6-12) Model Type : NC3541L/NC2041L

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
5	Light Unlit	The light source is not on.
12	EEPROM R Fail (Param1:Param2:Param3)	E2PROM data read error.
13	Interlock Fail	Interlock is activated.
15	EEPROM W Fail (Param1(Param2):Param3)	E2PROM data write error.
120	DLP Ack Fail(Param1)	Cinema circuit operation fail.
121	Lens Fail(Param1)(Param2, Param3)	Lens unit control error.

125	LPS Fail(Param1[V])	Light Power Supply Switch is turned off. Light Power Supply Voltage is abnormal.
135	FMT FPGA Boot Fail	Cinema circuit boot fail.
136	FMT FPGA System Fail(Param1)	Cinema circuit system startup fail.
137	LoginMgr Comm Fail(Param1:Param2)	Communication error with cinema circuit.
138	LoginMgr Boot Fail(Param1)	Cinema circuit boot fail.
141	DLP CommE Fail (Param1:Param2)[(LoginMgr:Param3)]	Communication errror with cinema circuit.
143	FMT Board Config Mismatch	FMT Board switch status is abnormal.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.
166	GPI Control(Param1) Invalid	Projector control through GPI is invalid because projector is busy. * This message would be shown on Log, not on LCD.
177	Tamper Fail(Param1)	Projector service door tamper switch is open.
178	Marriage Tamper Fail(Param1)	Projector marriage tamper switch is open.
190	The Validity has expired.	The time limit for use of the projector has expired. * In cases when the validity setting has been configured with the projector.
191	Different Serial Number	There is a mismtach in the serial number of the main unit internally saved on the projector.
192	Model Code Mismatch	There is a mismtach in the model code of the main unit internally saved on the projector.
196	Exec SENS CAL	Need to execute Sensor Calibration.
230	Router Fail(Param1)	Router control error.
271	IMB:SD Tamper Terminate(Param1)	IMB service door tamper termination is executed. * This message will not show on LCD.
301	System Error	Cinema circuit error.
302	Self Test Error	Cinema circuit error.
303	Install Release Package Error	Cinema circuit error.
304	Load Release Package Error	Cinema circuit error.
305	Key Error	Projector private key error.
306	Certificate Error	Projector certificate error.
329	Sequence Data File Mismatch	Cinema circuit status error.
331	Flash Checksum Error - Sequence Data	Cinema circuit status error.
333	Satellite Hardware Mismatch	Cinema circuit status error.
334	FSB Flash Update Error	Cinema circuit status error.
335	Red Satellite Reports Reset	Cinema circuit status error.
336	Red Satellite Serial Link Error	Cinema circuit status error.
337	Red Satellite Firmware Configuration Error	Cinema circuit status error.
342	Green Satellite Reports Reset	Cinema circuit status error.
343	Green Satellite Serial Link Error	Cinema circuit status error.
344	Green Satellite Firmware Configuration Error	Cinema circuit status error.
349	Blue Satellite Reports Reset	Cinema circuit status error.
350	Blue Satellite Serial Link Error	Cinema circuit status error.
351	Blue Satellite Firmware Configuration Error	Cinema circuit status error.
356	RTC Error	Cinema circuit status error.
357	Satellite Flash Update Incomplete	Cinema circuit status error.
358	Red Satellite Flash Connection Error	Cinema circuit status error.
359	Red Satellite Flash Update Error	Cinema circuit status error.
360	Red Satellite Flash Update Incomplete	Cinema circuit status error.

361	Red Satellite Flash Hardware Failure	Cinema circuit status error.
362	Red Satellite Memory Initialization failed	Cinema circuit status error.
363	Red Satellite Status Failure	Cinema circuit status error.
364	Green Satellite Flash Connection Error	Cinema circuit status error.
365	Green Satellite Flash Update Error	Cinema circuit status error.
366	Green Satellite Flash Update Incomplete	Cinema circuit status error.
367	Green Satellite Flash Hardware Failure	Cinema circuit status error.
368	Green Satellite Memory Initialization failed	Cinema circuit status error.
369	Green Satellite Status Failure	Cinema circuit status error.
370	ICP Frame Memory Test Result Fail	Cinema circuit status error.
371	HSS Link Test Result Fail	Cinema circuit status error.
373	Blue Satellite Flash Connection Error	Cinema circuit status error.
374	Blue Satellite Flash Update Error	Cinema circuit status error.
375	Blue Satellite Flash Update Incomplete	Cinema circuit status error.
376	Blue Satellite Flash Hardware Failure	Cinema circuit status error.
377	Blue Satellite Memory Initialization failed	Cinema circuit status error.
378	Blue Satellite Status Failure	Cinema circuit status error.
380	DRS Error(Low Battery)	Projector battery is low. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error will occur when you turn on the power again.
381	SEC No Battery	Cinema circuit status error. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error may occur when you turn on the power again.
500	IMB Comm Fail (Param1Param2Param3:Param4)	Communication error with the IMB.
510	IMB:System Error	IMB Status error.
511	IMB:Self Test Error	IMB Status error.
519	IMB:Certificate or Key Error	IMB certificate or private key error.
520	IMB:ICP Communications Status	IMB can not connect the projector for logical marriage.
537	IMB:RTC Error	IMB Status error.
542	IMB:FPGA Configuration Error	IMB Status error.
543	IMB:FPGA Temperature out of range	IMB Status error.
550	IMB:Supply voltage out of range	IMB Status error.
574	IMB:Security Tamper	Security tamper event exists in IMB.
577	IMB:Security Battery Event	Battery tamper event exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Physical marriage tamper event exists in IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper event exists in IMB.
584	IMB:Marriage NOT Active	IMB does not marriage with the projector yet.
586	IMB:Service Door Tamper	Service door tamper event exists in IMB.
588	IMB:Security Battery Low Warning	Reaching to "(577) IMB: Security Battery Event".
1000	Slave Comm Fail(Param1:Param2)	Communication error with the Slave CPU.
1003	Slave Ack Fail(Param1:Param2)	Slave CPU command executioon fail.
1004	Slave Not Ready	Slave CPU is not ready.
1005	Slave No Notify(Param1)[(Param2)]	No message from Slave CPU to notify the command completion.

1008	LU2:LD Data Comp.Fail(Param1)	There is an inconsistency in the light source 2 calibration data or there is an error with the devices for the calibration data saving.
1009	LU2:LD Data Warning(Param1)	Light source calibration data is corrupted or empty.
1010	LU1:LD Data Comp.Fail(Param1)	There is an inconsistency in the light source 2 calibration data or there is an error with the devices for the calibration data saving.
1011	LU1:LD Data Warning(Param1)	Light source calibration data is corrupted or empty.
1050	SSL Comm Fail(Param1:Param2)	Communication error with the SSL CPU.
1053	SSL Ack Fail(Param1:Param2)	SSL CPU command execution fail.
1054	SSL Not Ready	SSL CPU is not ready.
1055	SSL No Notify(Param1)	No message from SSL CPU to notify the command completion.
1111	Filter-Front Cleaning Time(Param1)	The time to clean air filter.
1112	Filter-Side Cleaning Time(Param1)	The time to clean air filter.
1113	Filter-Top(L) Cleaning Time(Param1)	The time to clean air filter.
1114	Filter-Top(R) Cleaning Time(Param1)	The time to clean air filter.
1200	Fan-LD-L1 Stop(Param1)	Fan stop.
1201	Fan-LD-L2 Stop(Param1)	Fan stop.
1202	Fan-LD-L3 Stop(Param1)	Fan stop.
1203	Fan-LD-L4 Stop(Param1)	Fan stop.
1204	Fan-LD-L5 Stop(Param1)	Fan stop.
1205	Fan-LD-L6 Stop(Param1)	Fan stop.
1206	Fan-LD-R1 Stop(Param1)	Fan stop.
1207	Fan-LD-R2 Stop(Param1)	Fan stop.
1208	Fan-LD-R3 Stop(Param1)	Fan stop.
1209	Fan-LD-R4 Stop(Param1)	Fan stop.
1210	Fan-LD-R5 Stop(Param1)	Fan stop.
1211	Fan-LD-R6 Stop(Param1)	Fan stop.
1212	Fan-HRU(LS)L Stop(Param1)	Fan stop.
1213	Fan-HRU(LS)R Stop(Param1)	Fan stop.
1214	Fan-LS-L1 Stop(Param1)	Fan stop.
1215	Fan-LS-L2 Stop(Param1)	Fan stop.
1216	Fan-LS-L3 Stop(Param1)	Fan stop.
1217	Fan-LS-R1 Stop(Param1)	Fan stop.
1218	Fan-LS-R2 Stop(Param1)	Fan stop.
1219	Fan-LS-R3 Stop(Param1)	Fan stop.
1220	Fan-EX-R1 Stop(Param1)	Fan stop.
1221	Fan-EX-R2 Stop(Param1)	Fan stop.
1222	Fan-EX-R3 Stop(Param1)	Fan stop.
1223	Fan-EX-R4 Stop(Param1)	Fan stop.
1224	Fan-EX-L1 Stop(Param1)	Fan stop.
1225	Fan-EX-L2 Stop(Param1)	Fan stop.
1226	Fan-EX-L3 Stop(Param1)	Fan stop.
1229	Fan-EX1 Stop(Param1)	Fan stop.
1230	Fan-EX2 Stop(Param1)	Fan stop.
1231	Fan-EX3 Stop(Param1)	Fan stop.
1232	Fan-EX4 Stop(Param1)	Fan stop.
1233	Fan-EX5 Stop(Param1)	Fan stop.

1234	Fan-EX6 Stop(Param1)	Fan stop.
1235	Fan-EX7 Stop(Param1)	Fan stop.
1236	Fan-EX8 Stop(Param1)	Fan stop.
1237	Fan-EX9 Stop(Param1)	Fan stop.
1238	Fan-EX10 Stop(Param1)	Fan stop.
1239	Fan-EX11 Stop(Param1)	Fan stop.
1240	Fan-ELE1 Stop(Param1)	Fan stop.
1241	Fan-ELE2 Stop(Param1)	Fan stop.
1242	Fan-ELE3 Stop(Param1)	Fan stop.
1243	Fan-ELE4 Stop(Param1)	Fan stop.
1244	Fan-PS1 Stop(Param1)	Fan stop.
1245	Fan-PS2 Stop(Param1)	Fan stop.
1246	Fan-PS3 Stop(Param1)	Fan stop.
1247	Fan-PS4 Stop(Param1)	Fan stop.
1248	Fan-PS5 Stop(Param1)	Fan stop.
1249	Fan-PS6 Stop(Param1)	Fan stop.
1250	Phosphor Wheel1 Stop(Param1)	Phosphor Wheel has stopped.
1251	Diffuser Motor1 Stop(Param1)	Diffuser Motor has stopped.
1252	Phosphor Wheel2 Stop(Param1)	Phosphor Wheel has stopped.
1253	Diffuser Motor2 Stop(Param1)	Diffuser Motor has stopped.
1275	Fan-PRISM Stop(Param1)	Fan stop.
1276	Fan-DMD1 Stop(Param1)	Fan stop.
1277	Fan-DMD2 Stop(Param1)	Fan stop.
1278	Fan-DMD3 Stop(Param1)	Fan stop.
1279	Fan-HRU(PRISM)1 Stop(Param1)	Fan stop.
1280	Fan-HRU(PRISM)2 Stop(Param1)	Fan stop.
1302	OverTemp.LD1-R1(Param1)	Set inside temperature is abnormal.
1303	OverTemp.LD1-R2(Param1)	Set inside temperature is abnormal.
1304	OverTemp.LD1-R3(Param1)	Set inside temperature is abnormal.
1305	OverTemp.LD1-R4(Param1)	Set inside temperature is abnormal.
1306	OverTemp.LD1-B(Param1)	Set inside temperature is abnormal.
1307	OverTemp.LD1-EX1(Param1)	Set inside temperature is abnormal.
1308	OverTemp.LD1-EX2(Param1)	Set inside temperature is abnormal.
1309	OverTemp.LD1-EX3(Param1)	Set inside temperature is abnormal.
1310	OverTemp.LD1-EX4(Param1)	Set inside temperature is abnormal.
1311	OverTemp.LD2-R1(Param1)	Set inside temperature is abnormal.
1312	OverTemp.LD2-R2(Param1)	Set inside temperature is abnormal.
1313	OverTemp.LD2-R3(Param1)	Set inside temperature is abnormal.
1314	OverTemp.LD2-R4(Param1)	Set inside temperature is abnormal.
1315	OverTemp.LD2-B(Param1)	Set inside temperature is abnormal.
1316	OverTemp.LD2-EX1(Param1)	Set inside temperature is abnormal.
1317	OverTemp.LD2-EX2(Param1)	Set inside temperature is abnormal.
1318	OverTemp.LD2-EX3(Param1)	Set inside temperature is abnormal.
1319	OverTemp.LD2-EX4(Param1)	Set inside temperature is abnormal.
1320	OverTemp.HS-PW1(Param1)	Set inside temperature is abnormal.
1321	OverTemp.HS-LD1(Param1)	Set inside temperature is abnormal.
1322	OverTemp.HS-PW2(Param1)	Set inside temperature is abnormal.

1323	OverTemp.HS-LD2(Param1)	Set inside temperature is abnormal.
1324	OverTemp.LD1-PHOTOSENS(Param1)	Set inside temperature is abnormal.
1327	OverTemp.LD2-PHOTOSENS(Param1)	Set inside temperature is abnormal.
1331	OverTemp.DMD-INNER(Param1)	Set inside temperature is abnormal.
1332	OverTemp.CIRCULATE(Param1)	Set inside temperature is abnormal.
1402	OverTemp.LD1-R1 Precaution(Param1)	Set inside temperature is close to over temperature.
1403	OverTemp.LD1-R2 Precaution(Param1)	Set inside temperature is close to over temperature.
1404	OverTemp.LD1-R3 Precaution(Param1)	Set inside temperature is close to over temperature.
1405	OverTemp.LD1-R4 Precaution(Param1)	Set inside temperature is close to over temperature.
1406	OverTemp.LD1-B Precaution(Param1)	Set inside temperature is close to over temperature.
1407	OverTemp.LD1-EX1 Precaution(Param1)	Set inside temperature is close to over temperature.
1408	OverTemp.LD1-EX2 Precaution(Param1)	Set inside temperature is close to over temperature.
1409	OverTemp.LD1-EX3 Precaution(Param1)	Set inside temperature is close to over temperature.
1410	OverTemp.LD1-EX4 Precaution(Param1)	Set inside temperature is close to over temperature.
1411	OverTemp.LD2-R1 Precaution(Param1)	Set inside temperature is close to over temperature.
1412	OverTemp.LD2-R2 Precaution(Param1)	Set inside temperature is close to over temperature.
1413	OverTemp.LD2-R3 Precaution(Param1)	Set inside temperature is close to over temperature.
1414	OverTemp.LD2-R4 Precaution(Param1)	Set inside temperature is close to over temperature.
1415	OverTemp.LD2-B Precaution(Param1)	Set inside temperature is close to over temperature.
1416	OverTemp.LD2-EX1 Precaution(Param1)	Set inside temperature is close to over temperature.
1417	OverTemp.LD2-EX2 Precaution(Param1)	Set inside temperature is close to over temperature.
1418	OverTemp.LD2-EX3 Precaution(Param1)	Set inside temperature is close to over temperature.
1419	OverTemp.LD2-EX4 Precaution(Param1)	Set inside temperature is close to over temperature.
1420	OverTemp.HS-PW1 Precaution(Param1)	Set inside temperature is close to over temperature.
1421	OverTemp.HS-LD1 Precaution(Param1)	Set inside temperature is close to over temperature.
1422	OverTemp.HS-PW2 Precaution(Param1)	Set inside temperature is close to over temperature.
1423	OverTemp.HS-LD2 Precaution(Param1)	Set inside temperature is close to over temperature.
1424	OverTemp.LD1-PHOTOSENS Precaution (Param1)	Set inside temperature is close to over temperature.
1427	OverTemp.LD2-PHOTOSENS Precaution (Param1)	Set inside temperature is close to over temperature.
1431	OverTemp.DMD-INNER Precaution (Param1)	Set inside temperature is close to over temperature.
1432	OverTemp.CIRCULATE Precaution (Param1)	Set inside temperature is close to over temperature.
1500	P3P3V SAT PGOOD Fail	Abnormal voltage.
1501	P2P5V SAT PGOOD Fail	Abnormal voltage.
1512	Slave EEPROM Write Fail	I2C Device Access Error.
1528	Lens Install SW Activation 0	Lens Install Switch 0 is open.
1529	Lens Install SW Activation 1	Lens Install Switch 1 is open.
1538	Slave EEPROM Read Fail	EEPROM read sequence fail.
1541	LU1 Comm Fail	Communication error wih light source.
1600	Fan-LD-L1 Stop Precaution(Param1)	Fan Stop Precaution.
1601	Fan-LD-L2 Stop Precaution(Param1)	Fan Stop Precaution.
1602	Fan-LD-L3 Stop Precaution(Param1)	Fan Stop Precaution.
1603	Fan-LD-L4 Stop Precaution(Param1)	Fan Stop Precaution.
1604	Fan-LD-L5 Stop Precaution(Param1)	Fan Stop Precaution.
1605	Fan-LD-L6 Stop Precaution(Param1)	Fan Stop Precaution.
1606	Fan-LD-R1 Stop Precaution(Param1)	Fan Stop Precaution.

1607	Fan-LD-R2 Stop Precaution(Param1)	Fan Stop Precaution.
1608	Fan-LD-R3 Stop Precaution(Param1)	Fan Stop Precaution.
1609	Fan-LD-R4 Stop Precaution(Param1)	Fan Stop Precaution.
1610	Fan-LD-R5 Stop Precaution(Param1)	Fan Stop Precaution.
1611	Fan-LD-R6 Stop Precaution(Param1)	Fan Stop Precaution.
1612	Fan-HRU(LS)L Stop Precaution(Param1)	Fan Stop Precaution.
1613	Fan-HRU(LS)R Stop Precaution(Param1)	Fan Stop Precaution.
1614	Fan-LS-L1 Stop Precaution(Param1)	Fan Stop Precaution.
1615	Fan-LS-L2 Stop Precaution(Param1)	Fan Stop Precaution.
1616	Fan-LS-L3 Stop Precaution(Param1)	Fan Stop Precaution.
1617	Fan-LS-R1 Stop Precaution(Param1)	Fan Stop Precaution.
1618	Fan-LS-R2 Stop Precaution(Param1)	Fan Stop Precaution.
1619	Fan-LS-R3 Stop Precaution(Param1)	Fan Stop Precaution.
1620	Fan-EX-R1 Stop Precaution(Param1)	Fan Stop Precaution.
1621	Fan-EX-R2 Stop Precaution(Param1)	Fan Stop Precaution.
1622	Fan-EX-R3 Stop Precaution(Param1)	Fan Stop Precaution.
1623	Fan-EX-R4 Stop Precaution(Param1)	Fan Stop Precaution.
1624	Fan-EX-L1 Stop Precaution(Param1)	Fan Stop Precaution.
1625	Fan-EX-L2 Stop Precaution(Param1)	Fan Stop Precaution.
1626	Fan-EX-L3 Stop Precaution(Param1)	Fan Stop Precaution.
1629	Fan-EX1 Stop Precaution(Param1)	Fan Stop Precaution.
1630	Fan-EX2 Stop Precaution(Param1)	Fan Stop Precaution.
1631	Fan-EX3 Stop Precaution(Param1)	Fan Stop Precaution.
1632	Fan-EX4 Stop Precaution(Param1)	Fan Stop Precaution.
1633	Fan-EX5 Stop Precaution(Param1)	Fan Stop Precaution.
1634	Fan-EX6 Stop Precaution(Param1)	Fan Stop Precaution.
1635	Fan-EX7 Stop Precaution(Param1)	Fan Stop Precaution.
1636	Fan-EX8 Stop Precaution(Param1)	Fan Stop Precaution.
1637	Fan-EX9 Stop Precaution(Param1)	Fan Stop Precaution.
1638	Fan-EX10 Stop Precaution(Param1)	Fan Stop Precaution.
1639	Fan-EX11 Stop Precaution(Param1)	Fan Stop Precaution.
1640	Fan-ELE1 Stop Precaution(Param1)	Fan Stop Precaution.
1641	Fan-ELE2 Stop Precaution(Param1)	Fan Stop Precaution.
1642	Fan-ELE3 Stop Precaution(Param1)	Fan Stop Precaution.
1643	Fan-ELE4 Stop Precaution(Param1)	Fan Stop Precaution.
1644	Fan-PS1 Stop Precaution(Param1)	Fan Stop Precaution.
1645	Fan-PS2 Stop Precaution(Param1)	Fan Stop Precaution.
1646	Fan-PS3 Stop Precaution(Param1)	Fan Stop Precaution.
1647	Fan-PS4 Stop Precaution(Param1)	Fan Stop Precaution.
1648	Fan-PS5 Stop Precaution(Param1)	Fan Stop Precaution.
1649	Fan-PS6 Stop Precaution(Param1)	Fan Stop Precaution.
1650	Phosphor Wheel1 Stop Precaution(Param1)	Phosphor Wheel Stop Precaution.
1651	Diffuser Motor1 Stop Precaution(Param1)	Diffuser Motor Stop Precaution.
1652	Phosphor Wheel2 Stop Precaution(Param1)	Phosphor Wheel Stop Precaution.
1653	Diffuser Motor2 Stop Precaution(Param1)	Diffuser Motor Stop Precaution.
1675	Fan-PRISM Stop Precaution(Param1)	Fan Stop Precaution.
1676	Fan-DMD1 Stop Precaution(Param1)	Fan Stop Precaution.

1677	Fan-DMD2 Stop Precaution(Param1)	Fan Stop Precaution.
1678	Fan-DMD3 Stop Precaution(Param1)	Fan Stop Precaution.
1679	Fan-HRU(PRISM)1 Stop Precaution (Param1)	Fan Stop Precaution.
1680	Fan-HRU(PRISM)2 Stop Precaution (Param1)	Fan Stop Precaution.
1700	SensorFail LD1-TOP	Temperature sensor read error.
1701	SensorFail LD2-TOP	Temperature sensor read error.
1702	SensorFail LD1-R1	Temperature sensor read error.
1703	SensorFail LD1-R2	Temperature sensor read error.
1704	SensorFail LD1-R3	Temperature sensor read error.
1705	SensorFail LD1-R4	Temperature sensor read error.
1706	SensorFail LD1-B	Temperature sensor read error.
1707	SensorFail LD1-EX1	Temperature sensor read error.
1708	SensorFail LD1-EX2	Temperature sensor read error.
1709	SensorFail LD1-EX3	Temperature sensor read error.
1710	SensorFail LD1-EX4	Temperature sensor read error.
1711	SensorFail LD2-R1	Temperature sensor read error.
1712	SensorFail LD2-R2	Temperature sensor read error.
1713	SensorFail LD2-R3	Temperature sensor read error.
1714	SensorFail LD2-R4	Temperature sensor read error.
1715	SensorFail LD2-B	Temperature sensor read error.
1716	SensorFail LD2-EX1	Temperature sensor read error.
1717	SensorFail LD2-EX2	Temperature sensor read error.
1718	SensorFail LD2-EX3	Temperature sensor read error.
1719	SensorFail LD2-EX4	Temperature sensor read error.
1720	SensorFail HS-PW1	Temperature sensor read error.
1721	SensorFail HS-LD1	Temperature sensor read error.
1722	SensorFail HS-PW2	Temperature sensor read error.
1723	SensorFail HS-LD2	Temperature sensor read error.
1724	SensorFail LD1-PHOTOSENS	Temperature sensor read error.
1727	SensorFail LD2-PHOTOSENS	Temperature sensor read error.
1730	SensorFail DMD-INTAKE	Temperature sensor read error.
1731	SensorFail DMD-INNER	Temperature sensor read error.
1732	SensorFail CIRCULATE	Temperature sensor read error.
1733	SensorFail INTAKE	Temperature sensor read error.
1734	SensorFail ELECTRO-BOX	Temperature sensor read error.
2000	IntegrityFail(Param1)	Integrity error with the internal software code of the projector. * When this error has occurred, the projector will not accept any external demands. Communication with external devices will not be performed either.
2002	LD B Stop(Param1)[,(Param2)]	The light source is not on.
2003	LD VIN Error(Param1)[,(Param2)]	The light source is not on due to protections.
2004	LD R Stop (Param1,Param2,...,Param6) [,(Param7,Param8,...,Param12)]	The light source is not on.
2005	LD G Stop (Param1,Param2,...,Param6) [,(Param7,Param8,...,Param12)]	The light source is not on.
2006	LD B Stop Precaution(LUx),(Param1)	The light source is not on.

2007	LD R Stop Precaution (LUx),(Param1,Param2,...,Param6)	The light source is not on.
2008	LD G Stop Precaution(LUx),(Param1,Param2)	The light source is not on.
2010	Incorrect power-off	PowerOff was not performed correctly last time.
2013	LU1 Unlit	The light source is not on.
2014	LU2 Unlit	The light source is not on.
2015	Douser Open Fail	Douser open fail.
2016	LPS Precaution(Param1[V])	Light Power Supply Switch is turned off. Light Power Supply Voltage is abnormal.
2200	SetCtrl FPGA DONE Fail	FPGA Configuration Error.
2201	VCCINT PGOOD Fail	Abnormal voltage.
2202	SetCtrl FPGA Comm Fail	Communication error with FPGA.
2203	I2C(SET_TH-A/D) ACK Fail	I2C Device Access Error.
2204	I2C(SET_TH-A/D) Tout	I2C Device Access Error.
2205	I2C(PressSens) ACK Fail	I2C Device Access Error.
2206	I2C(PressSens) Tout	I2C Device Access Error.
2209	SSL FPGA Comm2 Fail	Communication error with FPGA.
2210	Slave Data Fail(Fan)	Data error.
2211	Slave Data Fail(Pump)	Data error.
2212	Slave Data Fail(LD)	Data error.
2213	SET_Pump Fail	Pump error.
2216	I2C(Exp-1) ACK Fail	I2C Device Access Error.
2217	I2C(Exp-1) Tout	I2C Device Access Error.
2218	I2C(Exp-2) ACK Fail	I2C Device Access Error.
2219	I2C(Exp-2) Tout	I2C Device Access Error.
2220	I2C(Exp-3) ACK Fail	I2C Device Access Error.
2221	I2C(Exp-3) Tout	I2C Device Access Error.
2222	I2C(EEPROM-KEY) ACK Fail	I2C Device Access Error.
2223	I2C(EEPROM-KEY) Tout	I2C Device Access Error.
2250	SSL FPGA DONE Fail	FPGA Configuration Error.
2251	SSL FPGA Comm Fail	Communication error with FPGA.
2252	LU2 Comm Fail	Communication error wih light source.
2253	I2C(PhotoSens1) ACK Fail	I2C Device Access Error.
2254	I2C(PhotoSens1) Tout	I2C Device Access Error.
2255	I2C(PhotoSens2) ACK Fail	I2C Device Access Error.
2256	I2C(PhotoSens2) Tout	I2C Device Access Error.
2259	I2C(SSL_TH-A/D1) ACK Fail	I2C Device Access Error.
2260	I2C(SSL_TH-A/D1) Tout	I2C Device Access Error.
2261	I2C(SSL_TH-A/D2) ACK Fail	I2C Device Access Error.
2262	I2C(SSL_TH-A/D2) Tout	I2C Device Access Error.
2267	I2C(LD1_RD) Fail	I2C Device Access Error.
2268	I2C(LD2_RD) Fail	I2C Device Access Error.
2269	I2C(LD1_WR) Fail	I2C Device Access Error.
2270	I2C(LD2_WR) Fail	I2C Device Access Error.
2271	I2C(LD1_CMP) Fail	I2C Device Access Error.
2272	I2C(LD2_CMP) Fail	I2C Device Access Error.
2273	SSL Data Fail(Fan)	Data error.
2274	SSL Data Fail(Pump)	Data error.

2275	SSL Data Fail(LD)	Data error.
2276	LU1_Pump1 Fail	Pump error.
2277	LU1_Pump2 Fail	Pump error.
2278	LU2_Pump1 Fail	Pump error.
2279	LU2_Pump2 Fail	Pump error.
2280	LU1 OverTemp-R	Light unit over temperature.
2281	LU2 OverTemp-R	Light unit over temperature.
2282	Administrator Key Off	The administrator key is turned off.
2283	LU1 OverTemp	Light unit over temperature.
2284	LU2 OverTemp	Light unit over temperature.
2285	LU1_Fan Stop	Fan stop.
2286	LU2_Fan Stop	Fan stop.
2500	LU Contract has expired	LU Contract is expired.
2501	LU Contract will expire soon	LU Contract expirired soon.
2502	LU Contract Auth Error	Installed LU Contract Authentication failed.
2503	LU Contract Brightness Warning	Brightness by guaranteed by LU Contract is precaution.
2504	LU Contract Brightness Low	Brightness is out of LU Contract guarantee.

(6-13) Model Type : NP-02HD/NC2402ML/NC2002ML/NC1802ML

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
4	GPSU Fail	Power supply is abnormal.
5	Light Unlit	The light source is not on.
12	EEPROM R Fail	E2PROM data read error.
13	Interlock	Interlock is activated.
15	EEPROM W Fail	E2PROM data write error.
120	DLP Ack Fail	Cinema circuit operation fail.
121	Lens Fail	Lens unit control error.
125	LPS Fail	Light Power Supply Switch is turned off. Light Power Supply Voltage is abnormal.
138	ICP CriticalFail	Cinema circuit status error.
139	ICP PowerOn Fail	Cinema circuit system startup fail.
141	DLP CommE Fail	Communication errror with cinema circuit.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.
166	GPI Control Invalid	Projector control through GPI is invalid because projector is busy. * This message would be shown on Log, not on LCD.
174	LU Not Found	Light unit install switch is open
177	Tamper Fail	Projector service door tamper switch is open.
178	Marriage Tamper Fail	Projector marriage tamper switch is open.
190	The Validity has expired.	The time limit for use of the projector has expired. * In cases when the validity setting has been configured with the projector.
191	Different SN	There is a mismtach in the serial number of the main unit internally saved on the projector.
192	Model Code Mismatch	There is a mismtach in the model code of the main unit internally saved on the projector.
195	Exec LD CAL	Need to execute LD Calibration.

196	Exec SENS CAL	Need to execute Sensor Calibration.
271	IMB:SD Tamper Terminate	IMB service door tamper termination is executed. * This message will not show on LCD.
305	Key Error	Projector private key error.
306	Certificate Error	Projector certificate error.
329	Sequence Data File Mismatch	Cinema circuit status error.
330	FMT DMD Data File Mismatch	Cinema circuit status error.
331	Flash Checksum Error - Sequence Data	Cinema circuit status error.
332	FMT Flash Checksum Error - DMD Data	Cinema circuit status error.
333	Satellite Hardware Mismatch	Cinema circuit status error.
335	Red Satellite Reports Reset	Cinema circuit status error.
336	Red Satellite Serial Link Error	Cinema circuit status error.
337	Red Satellite Firmware Configuration Error	Cinema circuit status error.
338	Red DAD1000 Bias Under Voltage Error	Cinema circuit status error.
339	Red DAD1000 Reset Under Voltage Error	Cinema circuit status error.
340	Red DAD1000 Offset Under Voltage Error	Cinema circuit status error.
341	Red DAD1000 Thermal Shutdown Error	Cinema circuit status error.
342	Green Satellite Reports Reset	Cinema circuit status error.
343	Green Satellite Serial Link Error	Cinema circuit status error.
344	Green Satellite Firmware Configuration Error	Cinema circuit status error.
345	Green DAD1000 Bias Under Voltage Error	Cinema circuit status error.
346	Green DAD1000 Reset Under Voltage Error	Cinema circuit status error.
347	Green DAD1000 Offset Under Voltage Error	Cinema circuit status error.
348	Green DAD1000 Thermal Shutdown Error	Cinema circuit status error.
349	Blue Satellite Reports Reset	Cinema circuit status error.
350	Blue Satellite Serial Link Error	Cinema circuit status error.
351	Blue Satellite Firmware Configuration Error	Cinema circuit status error.
352	Blue DAD1000 Bias Under Voltage Error	Cinema circuit status error.
353	Blue DAD1000 Reset Under Voltage Error	Cinema circuit status error.
354	Blue DAD1000 Offset Under Voltage Error	Cinema circuit status error.
355	Blue DAD1000 Thermal Shutdown Error	Cinema circuit status error.
370	ICP Frame Memory Test Result Fail	Cinema circuit status error.
372	ICP Data Path Signature Test Result Fail	Cinema circuit status error.
373	3D Not Available on blue satellite	Cinema circuit status error.
374	3D Not Available on green satellite	Cinema circuit status error.
375	3D Not Available on red satellite	Cinema circuit status error.
380	DRS Error(Low Battery)	Projector battery is low. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error will occur when you turn on the power again.
381	SEC No Battery	Cinema circuit status error. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error may occur when you turn on the power again.
500	IMB Comm Fail	Communication error with the IMB.
510	IMB:System Error	IMB Status error.
511	IMB:Self Test Error	IMB Status error.
519	IMB:Certificate or Key Error	IMB certificate or private key error.
520	IMB:ICP Communications Status	IMB can not connect the projector for logical marriage.
537	IMB:RTC Error	IMB Status error.
542	IMB:FPGA Configuration Error	IMB Status error.
543	IMB:FPGA Temperature out of range	IMB Status error.
550	IMB:Supply voltage out of range	IMB Status error.
574	IMB:Security Tamper	Security tamper event exists in IMB.
577	IMB:Security Battery Event	Battery tamper event exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Physical marriage tamper event exists in IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper event exists in IMB.

584	IMB:Marriage NOT Active	IMB does not marriage with the projector yet.
586	IMB:Service Door Tamper	Service door tamper event exists in IMB.
588	IMB:Security Battery Low Warning	Reaching to "(577) IMB: Security Battery Event".
700	OPT Comm Fail	Communication error with the OPT CPU.
701	OPT Status Fail	OPT MCU is in unexpected status.
703	OPT Comm Ack Fail	OPT MCU fails to execute the command.
783	OPT-EEPROM Fail	OPT-E2PROM access error.
786	PreCooling Fail	Failed to precool during light on process.
791	FanInitError	Failed to initialize fans.
792	ExGpio Fail	Failed to control GPIO expander.
793	Notch Kit Error	Notch Kit installed switch is opend.
913	TiltDegreeOver	Projector tilt degree is abnormal.
914	LowerTemp	Projector ambient temperature is low. (< -10degC)
982	ColorSensorFail	Color sensor in projector head is failed.
984	GSensorError	Failed to control G-sensor.
985	LD CommError	Failed to communicate with LD IF MCU.
994	LD IF Reports Reset	LD IF MCU has been reset.
1000	Slave Comm Fail	Communication error with the Slave CPU.
1003	Slave Ack Fail	Slave CPU command executioon fail.
1004	Slave Not Ready	Slave CPU is not ready.
1005	Slave No Notify	No message from Slave CPU to notify the command completion.
1111	Filter-Side(L) Cleaning Time	The time to clean air filter.
1112	Filter-Side(R) Cleaning Time	The time to clean air filter.
1113	Filter-Top(L) Cleaning Time	The time to clean air filter.
1114	Filter-Top(R) Cleaning Time	The time to clean air filter.
1115	Filter-Top(F) Cleaning Time	The time to clean air filter.
1200	Fan-ENG-IN1 Stop	Fan stop.
1201	Fan-ENG-IN2 Stop	Fan stop.
1202	Fan-RAD(PRSM)1 Stop	Fan stop.
1203	Fan-RAD(PRSM)2 Stop	Fan stop.
1204	Fan-RAD(BANK)1 Stop	Fan stop.
1205	Fan-RAD(BANK)2 Stop	Fan stop.
1206	Fan-RAD(BANK)3 Stop	Fan stop.
1207	Fan-RAD(BANK)4 Stop	Fan stop.
1208	Fan-RAD(BANK)5 Stop	Fan stop.
1209	Fan-RAD(BANK)6 Stop	Fan stop.
1210	Fan-PRISM3	Fan stop.
1212	Fan-OFFLIGHT(PRISM) Stop	Fan stop.
1213	Fan-PRISM1 Stop	Fan stop.
1214	Fan-PRISM2 Stop	Fan stop.
1215	Fan-PW-OUT1 Stop	Fan stop.
1216	Fan-PW-OUT2 Stop	Fan stop.
1217	Fan-PW-IN1 Stop	Fan stop.
1218	Fan-PW-IN2 Stop	Fan stop.
1219	Fan-PW-IN3 Stop	Fan stop.
1220	Fan-PW-IN4 Stop	Fan stop.
1221	Fan-LD-EX1 Stop	Fan stop.
1222	Fan-LD-EX2 Stop	Fan stop.
1223	Fan-LD-MID1 Stop	Fan stop.
1224	Fan-LD-MID2 Stop	Fan stop.
1225	Fan-LD-IN1 Stop	Fan stop.
1226	Fan-LD-IN2 Stop	Fan stop.
1227	Fan-PWR Stop	Fan stop.
1228	Fan-ELE1 Stop	Fan stop.
1229	Fan-ELE2 Stop	Fan stop.
1230	Fan-ELE3 Stop	Fan stop.
1231	Fan-ELE4 Stop	Fan stop.
1232	Fan-RAD(R)1 Stop	Fan stop.
1233	Fan-RAD(R)2 Stop	Fan stop.

1234	Fan-RAD(R)3 Stop	Fan stop.
1235	Fan-RAD(R)4 Stop	Fan stop.
1236	Fan-RAD(R)5 Stop	Fan stop.
1237	Fan-RAD(R)6 Stop	Fan stop.
1238	Fan-RAD(R)7 Stop	Fan stop.
1239	Fan-RAD(R)8 Stop	Fan stop.
1240	Fan-ENG-IN3 Stop	Fan stop.
1241	Fan-ENG-IN4 Stop	Fan stop.
1242	Fan-RAD(PRISM)3 Stop	Fan stop.
1243	Fan-RAD(PRISM)4 Stop	Fan stop.
1244	Fan-ELE-FR Stop	Fan stop.
1250	PW1 Stop	Phosphor Wheel has stopped.
1251	DF1 Motor Stop	Diffuser Motor has stopped.
1252	PW2 Stop	Phosphor Wheel has stopped.
1253	DF2 Motor Stop	Diffuser Motor has stopped.
1262	Pump-PRISM Stop	Pump error.
1263	Pump-BANK-U Stop	Pump error.
1264	Pump-BANK-D Stop	Pump error.
1265	Pump-RLCS Stop	Pump error.
1300	OverTemp.INTAKE	Set inside temperature is abnormal.
1301	OverTemp.LD1-B	Set inside temperature is abnormal.
1302	OverTemp.LD1-Y1	Set inside temperature is abnormal.
1303	OverTemp.LD1-Y2	Set inside temperature is abnormal.
1304	OverTemp.LD1-Y3	Set inside temperature is abnormal.
1305	OverTemp.LD1-Y4	Set inside temperature is abnormal.
1306	OverTemp.LD2-B	Set inside temperature is abnormal.
1307	OverTemp.LD2-Y1	Set inside temperature is abnormal.
1308	OverTemp.LD2-Y2	Set inside temperature is abnormal.
1309	OverTemp.LD2-Y3	Set inside temperature is abnormal.
1310	OverTemp.LD2-Y4	Set inside temperature is abnormal.
1311	OverTemp.PW1	Set inside temperature is abnormal.
1312	OverTemp.LD1-R	Set inside temperature is abnormal.
1313	OverTemp.LD2-R	Set inside temperature is abnormal.
1314	OverTemp.PW2	Set inside temperature is abnormal.
1319	OverTemp.DMD-R	Set inside temperature is abnormal.
1320	OverTemp.DMD-G	Set inside temperature is abnormal.
1321	OverTemp.DMD-B	Set inside temperature is abnormal.
1322	OverTemp.FIP AIR	Set inside temperature is abnormal.
1400	OverTemp.INTAKE Precaution	Set inside temperature is close to over temperature.
1401	OverTemp.LD1-B Precaution	Set inside temperature is close to over temperature.
1402	OverTemp.LD1-Y1 Precaution	Set inside temperature is close to over temperature.
1403	OverTemp.LD1-Y2 Precaution	Set inside temperature is close to over temperature.
1404	OverTemp.LD1-Y3 Precaution	Set inside temperature is close to over temperature.
1405	OverTemp.LD1-Y4 Precaution	Set inside temperature is close to over temperature.
1406	OverTemp.LD2-B Precaution	Set inside temperature is close to over temperature.
1407	OverTemp.LD2-Y1 Precaution	Set inside temperature is close to over temperature.
1408	OverTemp.LD2-Y2 Precaution	Set inside temperature is close to over temperature.
1409	OverTemp.LD2-Y3 Precaution	Set inside temperature is close to over temperature.
1410	OverTemp.LD2-Y4 Precaution	Set inside temperature is close to over temperature.
1411	OverTemp.PW1 Precaution	Set inside temperature is close to over temperature.
1412	OverTemp.LD1-R Precaution	Set inside temperature is close to over temperature.
1413	OverTemp.LD2-R Precaution	Set inside temperature is close to over temperature.
1414	OverTemp.PW2 Precaution	Set inside temperature is close to over temperature.
1419	OverTemp.DMD-R Precaution	Set inside temperature is close to over temperature.
1420	OverTemp.DMD-G Precaution	Set inside temperature is close to over temperature.
1421	OverTemp.DMD-B Precaution	Set inside temperature is close to over temperature.
1422	OverTemp.FIP AIR Precaution	Set inside temperature is close to over temperature.
1500	P3P3V SAT PGOOD Fail	Abnormal voltage.
1501	P2P5V SAT PGOOD Fail	Abnormal voltage.
1502	XVT PGOOD Fail	Abnormal voltage.

1503	P2P5V X PGOOD Fail	Abnormal voltage.
1504	P1P8V X PGOOD Fail	Abnormal voltage.
1505	P1V X PGOOD Fail	Abnormal voltage.
1506	FMT FPGA DONE Fail	Abnormal voltage.
1528	Lens Install SW Activation	Lens Install Switch is open.
1600	Fan-ENG-IN1 Precaution	Fan Stop Precaution.
1601	Fan-ENG-IN2 Precaution	Fan Stop Precaution.
1602	Fan-RAD(PRSM)1 Precaution	Fan Stop Precaution.
1603	Fan-RAD(PRSM)2 Precaution	Fan Stop Precaution.
1604	Fan-RAD(BANK)1 Precaution	Fan Stop Precaution.
1605	Fan-RAD(BANK)2 Precaution	Fan Stop Precaution.
1606	Fan-RAD(BANK)3 Precaution	Fan Stop Precaution.
1607	Fan-RAD(BANK)4 Precaution	Fan Stop Precaution.
1608	Fan-RAD(BANK)5 Precaution	Fan Stop Precaution.
1609	Fan-RAD(BANK)6 Precaution	Fan Stop Precaution.
1610	Fan-PRISM3 Precaution	Fan Stop Precaution.
1612	Fan-OFFLIGHT(PRISM) Precaution	Fan Stop Precaution.
1613	Fan-PRISM1 Precaution	Fan Stop Precaution.
1614	Fan-PRISM2 Precaution	Fan Stop Precaution.
1615	Fan-PW-OUT1 Precaution	Fan Stop Precaution.
1616	Fan-PW-OUT2 Precaution	Fan Stop Precaution.
1617	Fan-PW-IN1 Precaution	Fan Stop Precaution.
1618	Fan-PW-IN2 Precaution	Fan Stop Precaution.
1619	Fan-PW-IN3 Precaution	Fan Stop Precaution.
1620	Fan-PW-IN4 Precaution	Fan Stop Precaution.
1621	Fan-LD-EX1 Precaution	Fan Stop Precaution.
1622	Fan-LD-EX2 Precaution	Fan Stop Precaution.
1623	Fan-LD-MID1 Precaution	Fan Stop Precaution.
1624	Fan-LD-MID2 Precaution	Fan Stop Precaution.
1625	Fan-LD-IN1 Precaution	Fan Stop Precaution.
1626	Fan-LD-IN2 Precaution	Fan Stop Precaution.
1627	Fan-PWR Precaution	Fan Stop Precaution.
1628	Fan-ELE1 Precaution	Fan Stop Precaution.
1629	Fan-ELE2 Precaution	Fan Stop Precaution.
1630	Fan-ELE3 Precaution	Fan Stop Precaution.
1631	Fan-ELE4 Precaution	Fan Stop Precaution.
1632	Fan-RAD(R)1 Precaution	Fan Stop Precaution.
1633	Fan-RAD(R)2 Precaution	Fan Stop Precaution.
1634	Fan-RAD(R)3 Precaution	Fan Stop Precaution.
1635	Fan-RAD(R)4 Precaution	Fan Stop Precaution.
1636	Fan-RAD(R)5 Precaution	Fan Stop Precaution.
1637	Fan-RAD(R)6 Precaution	Fan Stop Precaution.
1638	Fan-RAD(R)7 Precaution	Fan Stop Precaution.
1639	Fan-RAD(R)8 Precaution	Fan Stop Precaution.
1640	Fan-ENG-IN3 Precaution	Fan Stop Precaution.
1641	Fan-ENG-IN4 Precaution	Fan Stop Precaution.
1642	Fan-RAD(PRISM)3 Precaution	Fan Stop Precaution.
1643	Fan-RAD(PRISM)4 Precaution	Fan Stop Precaution.
1644	Fan-ELE-FR Precaution	Fan Stop Precaution.
1650	PW1 Precaution	Phosphor Wheel Stop Precaution.
1652	PW2 Precaution	Phosphor Wheel Stop Precaution.
1662	Pump-PRISM Precaution	Pump Stop Precaution.
1663	Pump-BANK-U Precaution	Pump Stop Precaution.
1664	Pump-BANK-D Precaution	Pump Stop Precaution.
1665	Pump-RLCS Precaution	Pump Stop Precaution.
1700	SensorFail INTAKE	Temperature sensor read error.
1701	SensorFail LD1-B	Temperature sensor read error.
1702	SensorFail LD1-Y1	Temperature sensor read error.
1703	SensorFail LD1-Y2	Temperature sensor read error.
1704	SensorFail LD1-Y3	Temperature sensor read error.

1705	SensorFail LD1-Y4	Temperature sensor read error.
1706	SensorFail LD2-B	Temperature sensor read error.
1707	SensorFail LD2-Y1	Temperature sensor read error.
1708	SensorFail LD2-Y2	Temperature sensor read error.
1709	SensorFail LD2-Y3	Temperature sensor read error.
1710	SensorFail LD2-Y4	Temperature sensor read error.
1711	SensorFail PW1	Temperature sensor read error.
1712	SensorFail LD1-R	Temperature sensor read error.
1713	SensorFail LD2-R	Temperature sensor read error.
1714	SensorFail PW2	Temperature sensor read error.
1719	SensorFail DMD-R	Temperature sensor read error.
1720	SensorFail DMD-G	Temperature sensor read error.
1721	SensorFail DMD-B	Temperature sensor read error.
1722	SensorFail FIP AIR	Temperature sensor read error.
1750	SensorFail Pressure	Pressure sensor read error.
2000	IntegrityFail	Integrity error with the internal software code of the projector. * When this error has occurred, the projector will not accept any external demands. Communication with external devices will not be performed either.
2001	LD Y Stop	The light source(Yellow) is not on.
2002	LD B Stop	The light source(Blue) is not on.
2004	LD R Stop	The light source(Red) is not on.
2010	Incorrect power-off	PowerOff was not performed correctly last time.
2015	Douser Open Fail	Douser open fail.
2017	Douser Close Fail	Douser close fail.
2217	TEC-R Fail	TEC(Thermoelectric Cooler) for Red is failed.
2219	TEC-G Fail	TEC(Thermoelectric Cooler) for Green is failed.
2221	TEC-B Fail	TEC(Thermoelectric Cooler) for Blue is failed.
2280	PW1 OverTemp	Light unit over temperature.
2281	PW2 OverTemp	Light unit over temperature.
2282	Admin. Key Off	The administrator key is turned off.
2283	BANK-U OverTemp	Light unit over temperature.
2284	BANK-D OverTemp	Light unit over temperature.
2285	RED-U OverTemp	Light unit over temperature.
2286	RED-D OverTemp	Light unit over temperature.
2290	LB Cable Error	LoopBack cable connection on uC board or Thermal board is abnormal.
2301	LU Hardware Mismatch	Installed Light Unit id verification is failed.
2302	LU ColorSensor Fail	Color sensor in light unit is failed.
2304	OPT-EEPROM Warning	PWB maintenance data in EEPROM is precaution.
2305	OPT-EEPROM Comp.Fail	PWB maintenance data in EEPROM is mismatch.
2306	OPT-EEPROM Fail	PWB maintenance data in EEPROM is critical error.
2400	LU warranty temp over	Projector ambient temperature is beyond limitation for LU extend warranty plan.
2500	LU Contract has expired	LU Contract is expired.
2501	LU Contract will expire soon	LU Contract expirired soon.
2502	LU Contract Auth Error	Installed LU Contract Authentication failed.
2503	LU Contract Brightness Warning	Brightness by guaranteed by LU Contract is precaution.
2504	LU Contract Brightness Low	Brightness is out of LU Contract guarantee.
2505	EEPROM Verify Fail	FMT/KEY/OPT data in EEPROM are mismatch.
2506	Different Motor BD data	Motor BD data in EEPROM is mismatch.
2507	Notch Kit Get Fail	Getting information of installed Notch filter is failed.
2508	Notch Kit Unknown	Installed Notch Kit is invalid.

(6-14) Model Type : NC1402L/NC1202L

*There are some error messages with some specified parameters.
The definitions of parameters are shown in Appendix A.

Error code	Error message	Description
4	GPSU Fail	Power supply is abnormal.
5	Light Unlit	The light source is not on.
12	EEPROM R Fail	E2PROM data read error.
13	Interlock	Interlock is activated.
15	EEPROM W Fail	E2PROM data write error.
120	DLP Ack Fail	Cinema circuit operation fail.
121	Lens Fail	Lens unit control error.
138	ICP CriticalFail	Cinema circuit status error.
139	ICP PowerOn Fail	Cinema circuit system startup fail.
141	DLP CommE Fail	Communication errror with cinema circuit.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.
166	GPI Control Invalid	Projector control through GPI is invalid because projector is busy. * This message would be shown on Log, not on LCD.
177	Tamper Fail	Projector service door tamper switch is open.
178	Marriage Tamper Fail	Projector marriage tamper switch is open.
190	The Validity has expired.	The time limit for use of the projector has expired. * In cases when the validity setting has been configured with the projector.
191	Different SN	There is a mismtach in the serial number of the main unit internally saved on the projector.
192	Model Code Mismatch	There is a mismtach in the model code of the main unit internally saved on the projector.
195	Exec LD CAL	Need to execute LD Calibration.
196	Exec SENS CAL	Need to execute Sensor Calibration.
271	IMB:SD Tamper Terminate	IMB service door tamper termination is executed. * This message will not show on LCD.
305	Key Error	Projector private key error.
306	Certificate Error	Projector certificate error.
329	FMT Sequence Data File Mismatch	Cinema circuit status error.
330	FMT DMD Data File Mismatch	Cinema circuit status error.
331	Flash Checksum Error - Sequence Data	Cinema circuit status error.
332	FMT Flash Checksum Error - DMD Data	Cinema circuit status error.
333	Satellite Hardware Mismatch	Cinema circuit status error.
335	Red Satellite Reports Reset	Cinema circuit status error.
336	Red Satellite Serial Link Error	Cinema circuit status error.
337	Red Satellite Firmware Configuration Error	Cinema circuit status error.
338	Red DAD1000 Bias Under Voltage Error	Cinema circuit status error.
339	Red DAD1000 Reset Under Voltage Error	Cinema circuit status error.
340	Red DAD1000 Offset Under Voltage Error	Cinema circuit status error.
341	Red DAD1000 Thermal Shutdown Error	Cinema circuit status error.
342	Green Satellite Reports Reset	Cinema circuit status error.
343	Green Satellite Serial Link Error	Cinema circuit status error.

344	Green Satellite Firmware Configuration Error	Cinema circuit status error.
345	Green DAD1000 Bias Under Voltage Error	Cinema circuit status error.
346	Green DAD1000 Reset Under Voltage Error	Cinema circuit status error.
347	Green DAD1000 Offset Under Voltage Error	Cinema circuit status error.
348	Green DAD1000 Thermal Shutdown Error	Cinema circuit status error.
349	Blue Satellite Reports Reset	Cinema circuit status error.
350	Blue Satellite Serial Link Error	Cinema circuit status error.
351	Blue Satellite Firmware Configuration Error	Cinema circuit status error.
352	Blue DAD1000 Bias Under Voltage Error	Cinema circuit status error.
353	Blue DAD1000 Reset Under Voltage Error	Cinema circuit status error.
354	Blue DAD1000 Offset Under Voltage Error	Cinema circuit status error.
355	Blue DAD1000 Thermal Shutdown Error	Cinema circuit status error.
370	ICP Frame Memory Test Result Fail	Cinema circuit status error.
372	ICP Data Path Signature Test Result Fail	Cinema circuit status error.
373	3D Not Available on blue satellite	Cinema circuit status error.
374	3D Not Available on green satellite	Cinema circuit status error.
375	3D Not Available on red satellite	Cinema circuit status error.
380	DRS Error(Low Battery)	Projector battery is low. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error will occur when you turn on the power again.
381	SEC No Battery	Cinema circuit status error. *When this error has occurred, IMB can not Marriage with the projector. *After this error has occurred, Integrity Error may occur when you turn on the power again.
500	IMB Comm Fail	Communication error with the IMB.
510	IMB:System Error	IMB Status error.
511	IMB:Self Test Error	IMB Status error.
519	IMB:Certificate or Key Error	IMB certificate or private key error.
520	IMB:ICP Communications Status	IMB can not connect the projector for logical marriage.
537	IMB:RTC Error	IMB Status error.
542	IMB:FPGA Configuration Error	IMB Status error.
543	IMB:FPGA Temperature out of range	IMB Status error.
550	IMB:Supply voltage out of range	IMB Status error.
574	IMB:Security Tamper	Security tamper event exists in IMB.
577	IMB:Security Battery Event	Battery tamper event exists in IMB.
581	IMB:Security Enclosure Not Armed	IMB security not armed.
582	IMB:Physical Marriage Tamper	Physical marriage tamper event exists in IMB.
583	IMB:Logical Marriage Tamper	Logical marriage tamper event exists in IMB.
584	IMB:Marriage NOT Active	IMB does not marriage with the projector yet.
586	IMB:Service Door Tamper	Service door tamper event exists in IMB.
588	IMB:Security Battery Low Warning	Reaching to "(577) IMB: Security Battery Event".
700	OPT Comm Fail	Communication error with the OPT CPU.
701	OPT Status Fail	OPT MCU is in unexpected status.
703	OPT Comm Ack Fail	OPT MCU fails to execute the command.
783	OPT-EEPROM Fail	OPT-E2PROM access error.
786	PreCooling Fail	Failed to precool during light on process.
791	FanInitError	Failed to initialize fans.

792	ExGpio Fail	Failed to control GPIO expander.
793	Notch Kit Error	Notch Kit installed switch is opend.
913	TiltDegreeOver	Projector tilt degree is abnormal.
914	LowerTemp	Projector ambient temperature is low. (< -10degC)
982	ColorSensorFail	Color sensor in projector head is failed.
984	GSensorError	Failed to control G-sensor.
985	LD CommError	Failed to communicate with LD IF MCU.
994	LD IF Reports Reset	LD IF MCU has been reset.
1000	Slave Comm Fail	Communication error with the Slave CPU.
1003	Slave Ack Fail	Slave CPU command executioon fail.
1004	Slave Not Ready	Slave CPU is not ready.
1005	Slave No Notify	No message from Slave CPU to notify the command completion.
1111	Filter-FRONT Cleaning Time	The time to clean air filter.
1112	Filter-TOP Cleaning Time	The time to clean air filter.
1113	Filter-SIDE Cleaning Time	The time to clean air filter.
1200	Fan-RAD(BANK)1 Stop	Fan stop.
1201	Fan-RAD(BANK)2 Stop	Fan stop.
1202	Fan-RAD(BANK)3 Stop	Fan stop.
1203	Fan-RAD(BANK)4 Stop	Fan stop.
1204	Fan-PRISM1 Stop	Fan stop.
1205	Fan-PRISM2 Stop	Fan stop.
1206	Fan-PRISM3 Stop	Fan stop.
1207	Fan-ELE1 Stop	Fan stop.
1208	Fan-ELE2 Stop	Fan stop.
1209	Fan-RAD(PRISM)1 Stop	Fan stop.
1210	Fan-RAD(PRISM)2 Stop	Fan stop.
1211	Fan-ELE3 Stop	Fan stop.
1212	Fan-PW-OUT Stop	Fan stop.
1213	Fan-PW-IN1 Stop	Fan stop.
1214	Fan-PW-IN2 Stop	Fan stop.
1215	Fan-ELE4 Stop	Fan stop.
1216	Fan-ELE5 Stop	Fan stop.
1218	Fan-EX1 Stop	Fan stop.
1219	Fan-EX2 Stop	Fan stop.
1220	Fan-EX3 Stop	Fan stop.
1221	Fan-EX4 Stop	Fan stop.
1222	Fan-EX5 Stop	Fan stop.
1223	Fan-EX6 Stop	Fan stop.
1224	Fan-EX7 Stop	Fan stop.
1250	PW Stop	Phosphor Wheel has stopped.
1251	DF Stop	Diffuser Motor has stopped.
1262	Pump-LS Stop	Pump error.
1263	Pump-PRISM Stop	Pump error.
1300	OverTemp.INTAKE	Set inside temperature is abnormal.
1301	OverTemp.LD1-B	Set inside temperature is abnormal.
1302	OverTemp.LD1-Y1	Set inside temperature is abnormal.
1303	OverTemp.LD1-Y2	Set inside temperature is abnormal.

1304	OverTemp.LD1-Y3	Set inside temperature is abnormal.
1305	OverTemp.LD1-Y4	Set inside temperature is abnormal.
1311	OverTemp.PW	Set inside temperature is abnormal.
1322	OverTemp.DMD	Set inside temperature is abnormal.
1400	OverTemp.INTAKE Precaution	Set inside temperature is abnormal.
1401	OverTemp.LD1-B Precaution	Set inside temperature is abnormal.
1402	OverTemp.LD1-Y1 Precaution	Set inside temperature is abnormal.
1403	OverTemp.LD1-Y2 Precaution	Set inside temperature is abnormal.
1404	OverTemp.LD1-Y3 Precaution	Set inside temperature is abnormal.
1405	OverTemp.LD1-Y4 Precaution	Set inside temperature is abnormal.
1411	OverTemp.PW Precaution	Set inside temperature is abnormal.
1422	OverTemp.DMD Precaution	Set inside temperature is abnormal.
1500	P3P3V SAT PGOOD Fail	Abnormal voltage.
1501	P2P5V SAT PGOOD Fail	Abnormal voltage.
1502	XVT PGOOD Fail	Abnormal voltage.
1503	P2P5V X PGOOD Fail	Abnormal voltage.
1504	P1P8V X PGOOD Fail	Abnormal voltage.
1505	P1V X PGOOD Fail	Abnormal voltage.
1506	FMT FPGA DONE Fail	Abnormal voltage.
1528	Lens Install SW Activation	Lens Install Switch is open.
1600	Fan-RAD(BANK)1 Stop Precaution	Fan Stop Precaution.
1601	Fan-RAD(BANK)2 Stop Precaution	Fan Stop Precaution.
1602	Fan-RAD(BANK)3 Stop Precaution	Fan Stop Precaution.
1603	Fan-RAD(BANK)4 Stop Precaution	Fan Stop Precaution.
1604	Fan-PRISM1 Stop Precaution	Fan Stop Precaution.
1605	Fan-PRISM2 Stop Precaution	Fan Stop Precaution.
1606	Fan-PRISM3 Stop Precaution	Fan Stop Precaution.
1607	Fan-ELE1 Stop Precaution	Fan Stop Precaution.
1608	Fan-ELE2 Stop Precaution	Fan Stop Precaution.
1609	Fan-RAD(PRISM)1 Stop Precaution	Fan Stop Precaution.
1610	Fan-RAD(PRISM)2 Stop Precaution	Fan Stop Precaution.
1611	Fan-ELE3 Stop Precaution	Fan Stop Precaution.
1612	Fan-PW-OUT Stop Precaution	Fan Stop Precaution.
1613	Fan-PW-IN1 Stop Precaution	Fan Stop Precaution.
1614	Fan-PW-IN2 Stop Precaution	Fan Stop Precaution.
1615	Fan-ELE4 Stop Precaution	Fan Stop Precaution.
1616	Fan-ELE5 Stop Precaution	Fan Stop Precaution.
1618	Fan-EX1 Stop Precaution	Fan Stop Precaution.
1619	Fan-EX2 Stop Precaution	Fan Stop Precaution.
1620	Fan-EX3 Stop Precaution	Fan Stop Precaution.
1621	Fan-EX4 Stop Precaution	Fan Stop Precaution.
1622	Fan-EX5 Stop Precaution	Fan Stop Precaution.
1623	Fan-EX6 Stop Precaution	Fan Stop Precaution.
1624	Fan-EX7 Stop Precaution	Fan Stop Precaution.
1650	PW Stop Precaution	Phosphor Wheel Stop Precaution.
1662	Pump-LS Stop Precaution	Pump Stop Precaution.
1663	Pump-PRISM Stop Precaution	Pump Stop Precaution.

1700	SensorFail INTAKE	Temperature sensor read error.
1701	SensorFail LD1-B	Temperature sensor read error.
1702	SensorFail LD1-Y1	Temperature sensor read error.
1703	SensorFail LD1-Y2	Temperature sensor read error.
1704	SensorFail LD1-Y3	Temperature sensor read error.
1705	SensorFail LD1-Y4	Temperature sensor read error.
1711	SensorFail PW	Temperature sensor read error.
1722	SensorFail DMD	Temperature sensor read error.
1750	SensorFail Pressure	Pressure sensor read error.
2000	IntegrityFail	Integrity error with the internal software code of the projector. * When this error has occurred, the projector will not accept any external demands. Communication with external devices will not be performed either.
2001	LD Y Stop	The light source(Yellow) is not on.
2002	LD B Stop	The light source(Blue) is not on.
2010	Incorrect power-off	PowerOff was not performed correctly last time.
2017	Douser Close Fail	Douser close fail.
2280	PW OverTemp	Light unit over temperature.
2282	Admin. Key Off	The administrator key is turned off.
2283	BANK OverTemp	Light unit over temperature.
2290	LB Cable Error	LoopBack cable connection on uC board or Thermal board is abnormal.
2301	LU Hardware Mismatch(n)	Installed Light Unit id verification is failed.
2302	LU ColorSensor Fail	Color sensor in light unit is failed.
2304	OPT-EEPROM Warning	PWB maintenance data in EEPROM is precaution.
2305	OPT-EEPROM Comp.Fail	PWB maintenance data in EEPROM is mismatch.
2306	OPT-EEPROM Fail	PWB maintenance data in EEPROM is critical error.
2400	LU warranty temp over	Projector ambient temperature is beyond limitation for LU extend warranty plan.
2500	LU Contract has expired	LU Contract is expired.
2501	LU Contract will expire soon	LU Contract expirired soon.
2502	LU Contract Auth Error	Installed LU Contract Authentication failed.
2503	LU Contract Brightness Warning	Brightness by guaranteed by LU Contract is precaution.
2504	LU Contract Brightness Low	Brightness is out of LU Contract guarantee.
2505	EEPROM Verify Fail	FMT/KEY/OPT data in EEPROM are mismatch.
2506	Different Motor BD data	Motor BD data in EEPROM is mismatch.
2507	Notch Kit Get Fail	Getting information of installed Notch filter is failed.
2508	Notch Kit Unknown	Installed Notch Kit is invalid.

3.3. ERROR STRING REQUEST 3 (009-6.)

(1) Availability
All projectors and options

(2) Function
This command acquires strings of the error message linked with the error code.

(3) Command
02H BDH 00H 00H 03H DATA01 .. DATA03 CKS

Data Portion	Contents
DATA01	Model type 00H ; Projector/Switcher 01H : MM3000B(Built-in type)
DATA02-03	Error code

*Byte order is Little Endian.

(4) Response: At the time of a success
22H BDH 00H xxH ??H DATA01 .. DATA(n+5) CKS
(*1) (*2) (*3)

n : Length of the error message (not include NULL character.)
?? : n+5

Data Portion	Contents
DATA01	Model type (same as DATA01 of Command)
DATA02-03	Error code (same as DATA02-03 of Command)
DATA04	Length of the error message (not include NULL)
DATA05-n+5	Strings of the error message (NULL termination)

*Byte order is Little Endian.

(5) Response: At the time of a failure
A2H BDH 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.4. POWER ON (015.)

(1) Availability
All projectors

(2) Function
This command switches on the main power of the projector.

(3) Command

02H	00H	00H	00H	00H	02H

(4) Response: At the time of a success

22H	00H	00H (*1)	xxH (*2)	00H	CKS (*3)

(5) Response: At the time of a failure

A2H	00H	00H (*1)	xxH (*2)	02H	DATA01	DATA02 (*4)	CKS (*3)

Supplement:
The projector does not accept the other command during power on processing.

3.5. POWER OFF (016.)

(1) Availability
All projectors

(2) Function
This command switches off the main power of the projector.

(3) Command

02H	01H	00H	00H	00H	03H

(4) Response: At the time of a success

22H	01H	00H	xxH	00H	CKS
		(*1)	(*2)		(*3)

(5) Response: At the time of a failure

A2H	01H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

Supplement:
-The projector doesn't accept the other command during power off processing. (It contains a cooling period.)
-Also while the procedure of INPUT SW CHANGE is running, this command isn't accepted. (Return NAK response.)

3.6. INPUT SW CHANGE (018.)

(1) Availability

All projectors and options

*NC series and MM3000(B) does not support all switching objects. (Refer the below tables.)

(2) Function

This command switches the input terminal or the entry list.

(3) Command

02H 03H 00H 00H 02H DATA01 DATA02 CKS

(*3)

<table>
<tr><th>Data Portion</th><th>Contents</th></tr>
<tr><td>DATA01</td><td>Switching object
00H : Title List / Entry List (NC / MM)
01H : Input Terminal (MM)
05H : Port Switching (NC)
06H : Preset (Macro) Key (NC)</td></tr>
<tr><td>DATA02</td><td>Switching number

When the switching object is 00H (Title List / Entry List), the list number is specified. (0 .. 99)

When the switching object is 01H (Input Terminal), the terminal number is specified as follows.
<table>
<tr><th>Terminal Number</th><th>Terminal Name</th></tr>
<tr><td>24H</td><td>SLOT1-1</td></tr>
<tr><td>25H</td><td>SLOT1-2</td></tr>
<tr><td>26H</td><td>SLOT1-3</td></tr>
<tr><td>29H</td><td>SLOT2-1</td></tr>
<tr><td>2AH</td><td>SLOT2-2</td></tr>
<tr><td>2BH</td><td>SLOT2-3</td></tr>
</table>
When the switching object is 05H (Port Switching), the terminal number is specified as follows.
<table>
<tr><th>Port Number</th><th>Port Name</th></tr>
<tr><td>1AH</td><td>292-A</td></tr>
<tr><td>1BH</td><td>292-B</td></tr>
<tr><td>1CH</td><td>292-Dual(AB)</td></tr>
<tr><td>38H</td><td>DVI-A</td></tr>
<tr><td>39H</td><td>DVI-B</td></tr>
<tr><td>3AH</td><td>DVI-Dual/Twin</td></tr>
<tr><td>3DH</td><td>292-C</td></tr>
<tr><td>3EH</td><td>292-D</td></tr>
<tr><td>3FH</td><td>292-Dual(CD)</td></tr>
<tr><td>40H</td><td>292-Quad</td></tr>
<tr><td>3BH</td><td>IMB</td></tr>
</table>
When the switching object is 06H (Preset Key), the terminal number is specified as follows
<table>
<tr><th>Preset Key Num.</th><th></th></tr>
</table></td></tr>
</table>

	00H	MacroKey No.1
	01H	MacroKey No.2
	02H	MacroKey No.3
	03H	MacroKey No.4
	04H	MacroKey No.5
	05H	MacroKey No.6
	06H	MacroKey No.7
	07H	MacroKey No.8
	08H*	MacroKey No.9
	09H*	MacroKey No.10
	0AH*	MacroKey No.11
	0BH*	MacroKey No.12
	0CH*	MacroKey No.13
	0DH*	MacroKey No.14
	0EH*	MacroKey No.15
	0FH*	MacroKey No.16
	10H**	MacroKey No.17
	11H**	MacroKey No.18
	12H**	MacroKey No.19
	13H**	MacroKey No.20
	* In NC1200C, 2000C, 3200S, and NC3240S-A, 08H~0FH are available in next CPU FW version NC1200 FW Ver3.201 or later NC2000 FW Ver3.202 or later NC3200 FW Ver3.203 or later NC3240 FW Ver3.204 or later ** NC3541L series, NC2041L series, NC2001L series, and NC2601L series are available. Other models are not available.	

(4) Response: At the time of a success

22H	03H	00H	xxH	01H	DATA01	CKS
		(*1)	(*2)			(*3)

Data Portion	Contents
DATA01	Results 00H ; Success FFH : Error

(5) Response: At the time of a failure

A2H	03H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

Note

NC series does not switch object while metadata is enabled. (Returns NAK response)

3.7. PICTURE MUTE ON (020.)

(1) Availability
All projectors

(2) Function
This command blanks the picture.

(3) Command

02H	10H	00H	00H	00H	12H

(4) Response: At the time of a success

22H	10H	00H	xxH	00H	CKS
		(*1)	(*2)		(*3)

(5) Response: At the time of a failure

A2H	10H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

Supplement:
* Picture mute is cancelled for the following:
  Input connector switching
  Video signal switching

3.8. PICTURE MUTE OFF (021.)

(1) Availability
All projectors

(2) Function
This command cancels the blank picture condition.

(3) Command

02H	11H	00H	00H	00H	13H

(4) Response: At the time of a success

22H	11H	00H	xxH	00H	CKS
		(*1)	(*2)		(*3)

(5) Response: At the time of a failure

A2H	11H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

Supplement:
* If Douser is closed, this function does not work.

3.9. LAMP INFORMATION REQUEST 2 (037-2.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC1040L-A, NC1440L-A,

Note: For other NC models, refer to LAMP INFORMATION REQUEST 3(235-31).

(2) Function
This command acquires the information about lamp bulb.
Note: For NC1040L-A/ NC1440L-A, return the Light On time.

(3) Command
03H 94H 00H 00H 00H 97H

(4) Response: At the time of a success

23H	94H	00H	xxH	05H	DATA01 .. DATA05	CKS
		(*1)	(*2)			(*3)

Data Portion	Contents
DATA01 – 04	NC3240S-A, NC3200S, NC2000C, NC1200C Lamp Bulb Usage Time (Sec.) Byte order is Little Endian. NC1040L-A, NC1440L-A, Light on time(Sec.) Byte order is Little Endian.
DATA05	Reserved

(5) Response: At the time of a failure

A3H	94H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

Note:* For NC3240S-A, NC3200S, NC2000C, NC1200C, when current bulb supports both normal and overdrive mode,returned value will be usage time converted with the current mode. **NOT real usage time.**

3.10. LENS MUTE ON (SHUTTER CLOSE) (051.)

(1) Availability
All projectors

(2) Function
This command mutes a picture by closing the lens shutter (douser).

(3) Command

02H	16H	00H	00H	00H	18H

(4) Response: At the time of a success

22H	16H	00H	xxH	00H	CKS
		(*1)	(*2)		(*3)

(5) Response: At the time of a failure

A2H	16H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.11. LENS MUTE OFF (SHUTTER OPEN) (052.)

(1) Availability
All projectors

(2) Function
This command cancels picture mute by opening the lens shutter.

(3) Command

02H	17H	00H	00H	00H	19H

(4) Response: At the time of a success

22H	17H	00H	xxH	00H	CKS
		(*1)	(*2)		(*3)

(5) Response: At the time of a failure

A2H	17H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.12. LENS CONTROL (053.)

(1) Availability
All projectors

(2) Function
This command controls Zoom, Focus, Lens Shift (H) and Lens Shift (V).

(3) Command

02H	18H	00H	x0H	02H	DATA01	DATA02	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	Lens control types 00H : Zoom 01H : Focus 02H : Lens Shift (H) 03H : Lens Shift (V)
DATA02	Adjustment direction and driving time 00H : Pause 01H : Drives the lens motor for 1 second in the direction of plus 02H : Drives the lens motor for 0.5 second in the direction of plus 03H … 7EH : Drives the lens motor for 0.25 second in the direction of plus. 7FH : Drives the lens motor in the direction of plus until “Pause” or the protection. 81H : Drives the lens motor in the direction of minus until “Pause” or the protection. 80H, 82H … FDH : Drives the lens motor for 0.25 second in the direction of minus FEH : Drives the lens motor for 0.5 second in the direction of minus FFH : Drives the lens motor for 1 second in the direction of minus

(4) Response: At the time of a success

22H	18H	00H	x0H	01H	DATA01	CKS
		(*1)	(*2)			(*3)

Data Portion	Contents
DATA01	Results 00H : Normal 01H : Error

(5) Response: At the time of a failure

A2H	18H	00H	x0H	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.13. INPUT TERMINAL REQUEST (068.)

(1) Availability
All projectors and options

(2) Function
This command acquires information of all terminals.

(3) Command
00H C1H 00H 00H 00H C1H

(4) Response: At the time of a success
20H C1H 00H xxH ??H DATA01 .. DATA(n+1) CKS
(*1) (*2) (*3)

n : Number of terminals
?? : n+1

Data Portion	Contents
DATA01	Number of available terminals.
DATA02	Terminal or port number of terminal No.1
DATA03	Terminal or port number of terminal No.2
DATA04	Terminal or port number of terminal No.3
DATA05	Terminal or port number of terminal No.4
DATA(n+1)	Terminal or port number of terminal No.n

* Terminal/ port number is the same as used for INPUT SW CHANGE(018) command, as follows.

Terminal Number for MM3000B.

Terminal Number	Terminal Name
24H	SLOT1-1
25H	SLOT1-2
26H	SLOT1-3
29H	SLOT2-1
2AH	SLOT2-2
2BH	SLOT2-3

Port Number for NC series.

Port Number	Port Name
1AH	292-A
1BH	292-B
1CH	292-Dual(AB)
38H	DVI-A
39H	DVI-B
3AH	DVI-Dual/Twin
3DH	292-C
3EH	292-D
3FH	292-Dual(CD)
40H	292-Quad
3B	IMB

(5) Response: At the time of a failure
A0H C1H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.14. SETTING REQUEST (078-1.)

(1) Availability

All projectors

*NC series and MM3000(B) does not return all information. (Refer the below tables.)

(2) Function

This command acquires the function information of the projector.

(3) Command

00H 85H 00H 00H 01H 00H 86H

(4) Response: At the time of a success

20H 85H 00H xxH 20H DATA01 .. DATA32 CKS
(*1) (*2) (*3)

<table>
<tr><th>Data Portion</th><th>Contents</th></tr>
<tr><td>DATA01 – 03</td><td>Projector type
<table>
<tr><th>DATA01</th><th>DATA02</th><th>DATA03</th><th>Type</th></tr>
<tr><td>0BH</td><td>00H</td><td>0AH</td><td>MM3000B</td></tr>
<tr><td>0CH</td><td>05H</td><td>0AH</td><td>NC3200S</td></tr>
<tr><td>0CH</td><td>07H</td><td>0AH</td><td>NC1200C</td></tr>
<tr><td>0CH</td><td>08H</td><td>0AH</td><td>NC2000C</td></tr>
<tr><td>0CH</td><td>0AH</td><td>0AH</td><td>NC3240S-A</td></tr>
<tr><td>0CH</td><td>0BH</td><td>0AH</td><td>NC1040L-A/NC1440L-A</td></tr>
<tr><td>0CH</td><td>0CH</td><td>0AH</td><td>NC900C-A</td></tr>
<tr><td>0CH</td><td>0FH</td><td>0AH</td><td>NC1100L-A</td></tr>
<tr><td>0CH</td><td>20H</td><td>0Fh</td><td>NC1201L-A
NC1101L-A
NC1205L-A+
NC1201L1-A</td></tr>
<tr><td>0CH</td><td>0CH</td><td>0FH</td><td>NC1000C
NC1001C+
NC1005C+</td></tr>
<tr><td>0CH</td><td>0Fh</td><td>0Fh</td><td>NC1700L</td></tr>
<tr><td>0CH</td><td>21H</td><td>11H</td><td>NC3541L
NC3541L+
NC2041L
NC2041L+
NC2001L+
NC2601L+</td></tr>
<tr><td>0CH</td><td>23H</td><td>13H</td><td>NP-02HD
NC2402ML
NC2002ML
NC1802ML</td></tr>
<tr><td>0CH</td><td>24H</td><td>13H</td><td>NC1402L
NC1202L</td></tr>
</table></td></tr>
<tr><td>DATA04</td><td>Reserved</td></tr>
<tr><td>DATA05</td><td>Calendar Function
00H : Not available
01H : Available
02H : Reserved</td></tr>
</table>

<table>
<tr><td></td><td>03H ; Available</td></tr>
<tr><td>DATA06 – 16</td><td>Reserved</td></tr>
<tr><td>Data17</td><td>Projector type
NC1040L-A series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>02H</td><td>NC1040L-A</td></tr>
<tr><td>03H</td><td>NC1440L-A</td></tr>
</table>
NC1201L-A series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>00H</td><td>NC1201L-A</td></tr>
<tr><td>01H</td><td>NC1205L-A+</td></tr>
<tr><td>02H</td><td>NC1101L-A</td></tr>
<tr><td>03H</td><td>NC1201L1-A</td></tr>
</table>
NC1000C series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>00H</td><td>NC1000C</td></tr>
<tr><td>01H</td><td>NC1001C+</td></tr>
<tr><td>02H</td><td>NC1005C</td></tr>
</table>
NC1700L series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>00H</td><td>NC1700L</td></tr>
</table>
NC3541L series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>00H</td><td>NC3541L</td></tr>
</table>
NC2041L series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>02H</td><td>NC2041L</td></tr>
</table>
NC2001L+ series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>01H</td><td>NC2001L+</td></tr>
</table>
NC2601L+ series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>05H</td><td>NC2001L+</td></tr>
</table>
NP02HD series, NC2402ML series, NC2002ML series, NC1802ML series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>00H</td><td>NP-02HD</td></tr>
<tr><td>01H</td><td>NC2402ML</td></tr>
<tr><td>02H</td><td>NC2002ML</td></tr>
<tr><td>03H</td><td>NC1802ML</td></tr>
</table>
NC1402L series, NC1202L series
<table>
<tr><th>DATA17</th><th>Type</th></tr>
<tr><td>00H</td><td>NC1402L</td></tr>
<tr><td>01H</td><td>NC1202L</td></tr>
</table></td></tr>
<tr><td>DATA18 ~ 32</td><td>Reserved</td></tr>
</table>

(5) Response: At the time of a failure

A0H	85H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.15. RUNNING STATUS REQUEST (078-2.)

(1) Availability
All projectors and options

(2) Function
This command acquires the status of the projector operation.

(3) Command
00H 85H 00H 00H 01H 01H 87H

(4) Response: At the time of a success
20H 85H 00H xxH 10H DATA01 .. DATA16 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01	Reserved
DATA02	External Control Status 00H : External Control Off 01H : External Control On
DATA03	Power Status 00H : Power Off 01H : Power On
DATA04	Lamp Cooling Processing 00H : No execution 01H : During execution
DATA05	Power On/Off Processing 00H : No execution 01H : During execution
DATA06	Projector Process Status 00H : Standby 01H : Power On Protect (before Lamp(Light) control) 02H : Ignition (If unlit, change 09H for retrying) 03H : Power On Running (after Lamp control) 04H : Running (Power On / Lamp(Light) On) 05H : Cooling 06H : --------- (Reserved) 07H : Reset Wait 08H : Fan Stop Error (before Cooling) 09H : Lamp Retry 0AH : Lamp(Light) Error (before Cooling) 0CH : Running (Power On / Lamp(Light) Off)
DATA07-8	Reserved
DATA09	Store Processing (NC) 00H : No execution 01H : During execution
DATA10	Lamp Status (NC) In the case of NC models except for NC900C-A and NC1000C 00H : Lamp(Light) Off 01H : Lamp(Light) On In the case of NC900C-A and NC1000C 00H : Lamp1and2 Off 01H : Lamp1 On/Lamp2 Off

	02H : Lamp1 Off/Lamp2 On 03H : Lamp1and2 On
DATA11	Processing of Lamp(Light) On/Off (NC) 00H : No execution 01H : During execution
DATA12	Lamp Mode Setting (NC900C-A and NC1000C) 00H : Dual 01H : Lamp1 only 02H : Lamp2 only Reserved(Others)
DATA13-14	Cooling Remaining Time(in sec) (NC) DATA13: Lower 8 bit DATA14: Higher 8 bit
DATA15-16	Remaining Time of Lamp Off/Power Off not available (NC900C-A and NC1000C) DATA15: Lower 8 bit DATA16: Higher 8 bit Reserved(Other NC models)

(5) Response: At the time of a failure

A0H	85H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.16. INPUT STATUS REQUEST (078-3.)

(1) Availability
All projectors and options

(2) Function
This command acquires the status of input signal of the projector.

(3) Command
00H 85H 00H 00H 01H 02H 88H

(4) Response: At the time of a success
20H 85H 00H xxH 10H DATA01 .. DATA16 CKS
(*1) (*2) (*3)

<table>
<tr><th>Data Portion</th><th>Contents</th></tr>
<tr><td>DATA01</td><td>Selecting signal processing
00H : No execution(Normal condition)
01H : During execution</td></tr>
<tr><td>DATA02</td><td>Indication signal number(Entry list number – 1)
0 .. 99</td></tr>
<tr><td>DATA03-04</td><td>NC Series
<table>
<tr><th>Port Name</th><th>DATA03</th><th>DATA04</th></tr>
<tr><td>Test Pattern</td><td>00H</td><td>06H</td></tr>
<tr><td>292A</td><td>01H</td><td>06H</td></tr>
<tr><td>292B</td><td>02H</td><td>06H</td></tr>
<tr><td>292C</td><td>01H</td><td>0DH</td></tr>
<tr><td>292D</td><td>02H</td><td>0DH</td></tr>
<tr><td>292Dual(AB)</td><td>03H</td><td>06H</td></tr>
<tr><td>292Dual(CD)</td><td>03H</td><td>0DH</td></tr>
<tr><td>292Quad</td><td>04H</td><td>0DH</td></tr>
<tr><td>DVIA</td><td>01H</td><td>0CH</td></tr>
<tr><td>DVIB</td><td>02H</td><td>0CH</td></tr>
<tr><td>DVI Dual /Twin</td><td>03H</td><td>0CH</td></tr>
<tr><td>IMB</td><td>04H</td><td>0CH</td></tr>
</table>
MM3000B
<table>
<tr><th>Terminal Name</th><th>DATA03</th><th>DATA04</th></tr>
<tr><td>Slot1-1</td><td>01H</td><td>08H</td></tr>
<tr><td>Slot1-2</td><td>02H</td><td>08H</td></tr>
<tr><td>Slot1-3</td><td>03H</td><td>08H</td></tr>
<tr><td>Slot2-1</td><td>01H</td><td>09H</td></tr>
<tr><td>Slot2-2</td><td>02H</td><td>09H</td></tr>
<tr><td>Slot2-3</td><td>03H</td><td>09H</td></tr>
</table></td></tr>
<tr><td>DATA05</td><td>Memory Type (MM)
01H : Default Memory
02H : User Memory</td></tr>
<tr><td>DATA06</td><td>Test Pattern Status
00H : No display(Normal condition)
01H : Displaying</td></tr>
<tr><td>DATA07</td><td>Reserved</td></tr>
<tr><td>DATA08</td><td>Reserved</td></tr>
</table>

DATA09	Reserved
DATA10 – 16	Reserved

(5) Response: At the time of a failure

A0H	85H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.17. MUTE STATUS REQUEST (078-4.)

(1) Availability
All projectors and options

(2) Function
This command acquires the status of the mute of the projector.

(3) Command
00H 85H 00H 00H 01H 03H 89H

(4) Response: At the time of a success
20H 85H 00H xxH 10H DATA01 .. DATA16 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01	Picture mute 00H : OFF 01H : ON 81H : ON (When the lens shutter is closed)
DATA02	Reserved
DATA03	Reserved
DATA04	Reserved
DATA05	Reserved
DATA06 - 16	Reserved

(5) Response: At the time of a failure
A0H 85H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.18. MODEL NAME REQUEST (078-5.)

(1) Availability
All projectors and options

(2) Function
This command acquires the model name of the projector.

(3) Command
00H 85H 00H 00H 01H 04H 8AH

(4) Response: At the time of a success
20H 85H 00H xxH 20H DATA01 .. DATA32 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01 - 32	Model name (NULL termination character string)

(5) Response: At the time of a failure
A0H 85H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.19. TEMPERATURE STATUS REQUEST 3(078-204.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC900C-A, NC1040L-A, NC1440L-A, NC1100L-A

(2) Function
This command acquires the temperature information of the projector.
For other NC models, refer to “PARTS COUNT REQUEST(305-1.)” and “COMMON CURRENT STATUS REQUEST (300-20.)”.

(3) Command
00H 85H 00H 00H 01H E4H 6AH CKS

(4) Response: At the time of a success
20H 85H 00H xxH 21H E4H DATA01 .. DATA32 CKS

(NC3240S-A, NC3200S, NC2000C, and NC1200C)

Data Portion	Contents
DATA01 - 02	LPSU Intake
DATA03 - 04	Temp 2
DATA05 - 06	Outside Air
DATA07 - 08	DMD-B
DATA09 - 10	Exhaust
DATA11 - 12	Temp 6
DATA13 - 14	Temp 7
DATA15 - 16	Temp 8
DATA17 - 32	Reserved

(NC900C-A)

Data Portion	Contents
DATA01 - 02	DMD
DATA03 - 04	Inlet
DATA05 - 06	Ballast1
DATA07 - 08	Ballast2
DATA09 - 10	Reserved
DATA11 - 12	Reserved
DATA13 - 14	Reserved
DATA15 - 16	Reserved
DATA17 - 32	Reserved

(NC1040L-A, NC1440L-A)

Data Portion	Contents
DATA01 - 02	Intake
DATA03 - 04	DMD-B
DATA05 - 06	Exhaust
DATA07 - 08	Radiator
DATA09 - 10	LU Intake
DATA11 - 12	LU Exhaust1

DATA13 -14	LU Exhaust2
DATA15 - 16	LU Humidity
DATA17 - 32	Reserved

(NC1100L-A)

Data Portion	Contents
DATA01 - 02	DMD
DATA03 - 04	Inlet
DATA05 - 06	LaserDiode1
DATA07 - 08	LaserDiode2
DATA09 -10	LaserDiode3
DATA11 -12	LaserDiode4
DATA13 -14	LaserDiode5
DATA15 - 16	LaserYDriver1
DATA17 – 18	LaserYDriver2
DATA19 – 20	LaserYDriver3
DATA21 – 22	LaserYDriver4
DATA23 – 24	LaserBDriver1
DATA25 – 26	Phosphor Wheel
DATA27 - 32	Reserved

*Byte order is Little Endian, signed 16bit integer type.
*Return values are multiplied by10. Unit is degree centigrade.
e.g.) Return value, 245, means 24.5 degrees centigrade.
Effective range is from -55.0 to 125 degrees centigrade.
*If the projector fails to get a sensor value, return value should be 3276.7 degrees centigrade, 7FFFH.

(5) Response: At the time of a failure

A0H	85H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.20. CURRENT TITLE STATUS REQUEST (078-206.)

(1) Availability
All projectors

(2) Function
This command acquires the current title information of the projector.

(3) Command
00H 85H 00H 00H 01H E6H 6CH

(4) Response: At the time of a success
20H 85H 00H xxH ??H DATA01 .. DATA(n+4) CKS
(*1) (*2) (*3)

n : Length of the current title status.
?? : n+4

Data Portion	Contents
DATA01	(same as DATA01 of Command)
DATA02	The list number of the current title is specified. (0 .. 99) 255: No current title
DATA03	The preset button number for the current title is specified. (0 .. 15)* 255: Not assigned to any preset buttons. * In NC1200C, 2000C, 3200S, and NC3240S-A, Preset button 9~16 are available in next CPU FW Version. NC1200 FW Ver3.201 or later NC2000 FW Ver3.202 or later NC3200 FW Ver3.203 or later NC3240 FW Ver3.204 or later * If NC3541L, NC3541L+, NC2041L, NC2041L+, NC2001L+ and NC2601L+, DATA03 ranges from 0..19, because the number of the preset buttons is 20.
DATA04	Length of the current title name (not include NULL)
DATA05 – n+4	Strings of the current title name (NULL termination)

(5) Response: At the time of a failure
A0H 85H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.21. LAN IP ADDRESS STATUS REQUEST (097-62.)

(1) Availability
All projectors

(2) Function
This command acquires the IP address of the projector.

(3) Command
03H B0H 00H 00H 01H 3DH F0H

(4) Response: At the time of a success
23H B0H 00H xxH 05H 3DH DATA01 .. DATA04 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01 – DATA04	IP Address of the projector.

*Byte order is Little Endian.
e.g.) PJ's IP address is 192.168.100.200.
DATA01 = C8H : 200
DATA02 = 64H : 100
DATA03 = A8H : 168
DATA04 = C0H : 192

(5) Response: At the time of a failure
A3H B0H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.22. TURRET CONTROL REQUEST (097-208.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC1040L-A, NC1440L-A,

(2) Function
This command acquires the Turret Control setting of the projector.

(3) Command
03H B0H 00H 00H 01H C3H 77H

(4) Response: At the time of a success
23H B0H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01	C3H : Fixed data.
DATA02	Results 00H ; Auto 01H : Manual

(5) Response: At the time of a failure
A3H B0H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.23. TURRET REFERENCE SELECT REQUEST (097-209.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC1040L-A, NC1440L-A,

(2) Function
This command acquires the Turret Reference Select setting of the projector.

(3) Command

03H	B0H	00H	00H	01H	C4H	78H

(4) Response: At the time of a success

23H	B0H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	C4H : Fixed data.
DATA02	Current Value 00H ; Without Anamo. 01H : With Anamo. 02H : Reserved.

(5) Response: At the time of a failure

A3H	B0H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.24. TURRET MANUAL SELECT REQUEST (097-224.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC1040L-A, NC1440L-A,

(2) Function
This command acquires the Turret Manual Select setting of the projector.

(3) Command
03H B0H 00H 00H 01H F2H A6H

(4) Response: At the time of a success
23H B0H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01	F2H : Fixed data.
DATA02	Current Value 00H ; Without Anamo. (Out) 01H : With Anamo. (In) 02H : Reserved.

(5) Response: At the time of a failure
A3H B0H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.25. TURRET CONTROL SET (098-208.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC1040L-A, NC1440L-A,

(2) Function
This command updates the Turret Control setting of the projector.

(3) Command

03H	B1H	00H	00H	02H	DATA01	DATA02	CKS
							(*3)

Data Portion	Contents
DATA01	C3H : Fixed data.
DATA02	Current Value 00H ; Auto 01H : Manual

(4) Response: At the time of a success

23H	B1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	C3H : Fixed data.
DATA02	Current Value 00H ; Success 01H : Error

(5) Response: At the time of a failure

A3H	B1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.26. TURRET REFERENCE SELECT SET (098-209)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC1040L-A, NC1440L-A,

(2) Function
This command updates the Turret Reference Select setting of the projector.

(3) Command

03H	B1H	00H	00H	02H	DATA01	DATA02	CKS
							(*3)

Data Portion	Contents
DATA01	C4 : Fixed data.
DATA02	Current Value 00H ; Without Anamo. 01H : With Anamo.

(4) Response: At the time of a success

23H	B1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	C4 : Fixed data.
DATA02	Setting 00H ; Success 01H : Error

(5) Response: At the time of a failure

A3H	B1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.27. TURRET MANUAL SELECT SET (098-224.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C, NC1040L-A, NC1440L-A,

(2) Function
This command updates the Turret Manual Select setting of the projector.

(3) Command

03H	B1H	00H	00H	02H	DATA01	DATA02	CKS
							(*3)

Data Portion	Contents
DATA01	F2H : Fixed data.
DATA02	Current Value 00H ; Without Anamo. (Out) 01H : With Anamo. (In) 02H : Reserved.

(4) Response: At the time of a success

23H	B1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	C4H : Fixed data.
DATA02	Setting 00H ; Success 01H : Error

(5) Response: At the time of a failure

A3H	B1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.28. SLOT INFORMATION REQUEST (201.)

(1) Availability
MM3000B

(2) Function
This command acquires status of Slot insertion.

(3) Command

02H	E1H	00H	00H	01H	DATA01	CKS
						(*3)

Data Portion	Contents
DATA01	Slot acquired 00H : Slot 1 01H : Slot 2 02H : Slot 3 03H : Slot 4

(4) Response: At the time of a success

22H	E1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	Acquired Slot (same values as DATA01 of the command)
DATA02	Result 00H : RGB board 01H : DVI board 02H : SDI(Dual) board 03H : SDI(Single) board 04H : Video board 05H : Reserved 06H : Reserved 07H : No Slot

(5) Response: At the time of a failure

A2H	E1H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.29. LAMP PARAMETER OUTPUT REQUEST (235-1.)

(1) Availability
NC3240S-A, NC3200S, NC2000C, NC1200C

Note: For other models, refer to “LAMP PARAMETER OUTPUT REQUEST 2(235-29)”

(2) Function
This command acquires the current output power of the projector.

(3) Command

03H	2FH	00H	00H	01H	00H	33H

(4) Response: At the time of a success

23H	2FH	00H	xxH	07H	DATA01 ..	DATA07	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	00H : Fixed data.
DATA02-03	The current output Wattage (WORD type, Unit : [W])
DATA04-05	The current output Current (WORD type, Unit : [A])
DATA06-07	The current output Voltage (WORD type, Unit : 0.1[V])

* Byte order of each WORD type is LSB.
* Each value is the measurement value from LPSU.

(5) Response: At the time of a failure

A3H	2FH	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.30. LAMP CONTROL MODE REQUEST (235-18.)

(1) Availability
All projectors

(2) Function
This command acquires the value of the current Lamp(Light) control mode.

(3) Command

03H	2FH	00H	00H	01H	11H	44H

(4) Response: At the time of a success

23H	2FH	00H	xxH	02H	11H	DATA01	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	Lamp Control Mode 00H : Standard mode in conjunction with Power On/Off 01H : Lamp(Light) On Mode 02H : Lamp(Light) Off Mode

(5) Response: At the time of a failure

A3H	2FH	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.31. LAMP CONTROL MODE SET (235-19.)

(1) Availability
All projectors

(2) Function
This command updates the value of Lamp(Light) control mode.

(3) Command
03H 2FH 00H 00H 02H 12H DATA01 CKS

Data Portion	Contents
DATA01	Lamp Control Mode 00H : Standard mode in conjunction with Power On/Off 01H : Lamp(Light) On Mode 02H : Lamp(Light) Off Mode

(4) Response: At the time of a success
23H 2FH 00H xxH 02H 12H DATA01 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01	Result 00H ; Success 01H : Error

(5) Response: At the time of a failure
A3H 2FH 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.32. LAMP MODE REQUEST (097-246.)

(1) Availability
NC900C-A, NC1000C, NC1001C+, NC1005C

(2) Function
This command acquires the information about lamp mode setting.

(3) Command

03H	B0H	00H	00H	01H	D8H	CKS

(4) Response: At the time of a success

23H	B0H	00H	xxH	02H	D8H	DATA01	CKS
		(*1)	(*2)				(*3)

Data Portion	Contents
DATA01	Lamp Mode Setting 00H : Dual 01H : Lamp1 only 02H : Lamp2 only

(5) Response: At the time of a failure

A3H	B0H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

3.33. LAMP MODE SET (098-246.)

(1) Availability
NC900C-A, NC1000C, NC1001C+, NC1005C+

(2) Function
This command is to change lamp mode setting.

(3) Command
03H B0H 00H 00H 02H D8H DATA01 CKS

Data Portion	Contents
DATA01	Lamp Mode Setting 00H : Dual 01H : Lamp1 only 02H : Lamp2 only

(4) Response: At the time of a success
23H B1H 00H xxH 02H D8H DATA01 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01	Result 00H ; Success 01H : Error 02H : Can not change

(5) Response: At the time of a failure
A3H B1H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.34. LAMP PARAMETER OUTPUT REQUEST 2(235-29.)

(1) Availability

NC900C-A, NC1040L-A, NC1440L-A, NC1100L-A, NC1201L-A, NC1101L-A, NC1205L-A+, NC1201L1-A, NC1000C, NC1001C+, NC1005C+, NC1700L, NC3541L, NC3541L+, NC2041L, NC2041L+, NC2001L+, NC2601L+, NP-02HD, NC2402ML, NC2002ML, NC1802ML, NC1402L, NC1202L

(2) Function

This command acquires the current output power of the projector.

(3) Command

03H 2FH 00H 00H 01H 1CH CKS

(4) Response: At the time of a success

23H 2FH 00H xxH 08H 1CH DATA01 .. DATA07 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01	Reserved
DATA02-03	If NC900C-A, NC1000C, NC1001C+, NC1005C+ The current setting Wattage (in 0.1W) *Byte order is Little Endian. else Don't care
DATA04-05	If NP-02HD, NC2402ML, NC2002ML, NC1802ML, NC1402L, NC1202L The current Setting Power (in 0.01%) *Byte order is Little Endian. else The current Setting Power (in 0.1%) *Byte order is Little Endian. * In NC1100L-A, this data portion are available in next CPU FW Version. NC1100L-A FW Ver1.200 or later
DATA06	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp1 current output Voltage (in [V]) else Don't care
DATA07	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp2 current output Voltage (in [V]) else Don't care

(5) Response: At the time of a failure

A3H 2FH 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

(6) Supplement

In NP-02HD, NC2402ML, NC2002ML, NC1802ML, ~~NC1402L,~~ the values of DATA04-05 is incorrect. This issue will be fixed soon. These modification may be made without notice. Prease contact serviceman or vendor to confirm modification status.

3.35. LAMP INFORMATION REQUEST 3 (235-31.)

(1) Availability

NC900C-A, NC1100L-A, NC1201L-A, NC1101L-A, NC1205L-A+, NC1201L1-A, NC1000C, NC1001C+, NC1005C+, NC1700L, NC3541L, NC3541L+, NC2041L, NC2041L+, NC2001L+, NC2601L+, NP-02HD, NC2402ML, NC2002ML, NC1802ML, NC1402L, NC1202L

(2) Function

This command acquires the information about lamp.

(3) Command

03H 2FH 00H 00H 01H 1EH CKS

(4) Response: At the time of a success

23H 2FH 00H xxH 0FH 1EH DATA01 .. DATA14 CKS
(*1) (*2) (*3)

Data Portion	Contents
DATA01-02	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp1 Usage Time (in Hour) Byte order is Little Endian. If NC3541L, NC3541L+, NC2601L+ Light1 Usage Time (in Hour) Byte order is Little Endian. else Light Usage Time(In Hour) Byte order is Little Endian.
DATA03-04	If NC1201-A, NC1101-A, NC1205L-A+, NC1201L1-A, NC3541L, NC3541L+, NC2041L, NC2041L+, NC2001L+, NC2601L+, NP-02HD, NC2402ML, NC2002ML, NC1802ML, NC1402L, NC1202L Don't care If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp1 Warning Time(in Hour) Byte order is Little Endian. else Light Warning Time(In Hour) Byte order is Little Endian.
DATA05	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp1 Remaining (in %) else Don't care
DATA06-07	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp1 Strike Count Byte order is Little Endian. if NC3541L, NC3541L+, NC2601L+ Light1 Strike Count

	Byte order is Little Endian. else Light Strike Count Byte order is Little Endian.
DATA08-09	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp2 Usage Time (in Hour) Byte order is Little Endian. If NC3541L, NC3541L+, NC2601L+ Light2 Usage Time (in Hour) Byte order is Little Endian. else Don't care
DATA10-11	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp2 Warning Time(in Hour) Byte order is Little Endian. else Don't care
DATA12	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp2 Remaining (in %) else Don't care
DATA13-14	If NC900C-A, NC1000C, NC1001C+, NC1005C+ Lamp2 Strike Count Byte order is Little Endian. if NC3541L, NC3541L+, NC2601L+ Light2 Strike Count Byte order is Little Endian. else Don't care

*Byte order is Little Endian.

(5) Response: At the time of a failure

A3H	2FH	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

Note: In NC900C-A, this command is available with CPU FW Ver1.003 or newer.

3.36. PARTS COUNT REQUEST (305-1.)

(1) Availability

NC1201L-A, NC1101L-A, NC1205L-A+,
NC1000C, NC1001C+, NC1005C+
NC1700L,
NC3541L, NC2041L, NC2001L+, NC2601L+,
NP-02HD, NC2402ML, NC2002ML, NC1802ML,
NC1402L, NC1202L

(2) Function

This command is to know the number of parts installed in the projectors.

(3) Command

00H D6H 00H 00H 02H DATA01 DATA02 CKS

Data Portion	Contents
DATA01	00H : Query the number of parts installed in the projector
DATA02	Parts kind 03H : Thermal sensors

(4) Response: At the time of a success

20H D6H 00H xxH 03H DATA01 DATA02 DATA03 CKS

Data Portion	Contents
DATA01	The same value as DATA01 of sending packet
DATA02	The same value as DATA02 of sending packet
DATA03	The number of thermal sensors installed in the projector

(5) Response: At the time of a failure

A0H D6H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.37. PARTS PARAMETER REQUEST (305-2.)

(1) Availability

NC1201L-A, NC1101L-A, NC1205L-A+,
NC1000C, NC1001C+, NC1005C+
NC1700L,
NC3541L, NC2041L, NC2001L+, NC2601L+,
NP-02HD, NC2402ML, NC2002ML, NC1802ML
NC1402L, NC1202L

(2) Function

This command is to know the name of the parts(e.g. thermal sensors) installed in the projectors.

(3) Command

00H D6H 00H 00H 03H DATA01 DATA02 DATA03 CKS

Data Portion	Contents
DATA01	01H : Query the name of parts installed in the projector
DATA02	Parts kind 03H : Thermal sensors
DATA03	Thermal sensor ID 0 .. (N-1) : ID *N is the value getting from the “PARTS COUNT REQUEST (305-1.)”.

(4) Response: At the time of a success

20H D6H 00H xxH ??H DATA01 .. DATA?? CKS

Data Portion	Contents
DATA01	The same value as DATA01 of sending packet
DATA02	The same value as DATA02 of sending packet
DATA03	The same value as DATA03 of sending packet
DATA04-16	Don’t care
DATA17	The number of strings to be queried for parts name *Not include the null termination
DATA18 - ??	Strings for parts name(ASCII) *Null termination

(5) Response: At the time of a failure

A0H D6H 00H xxH 02H DATA01 DATA02 CKS
(*1) (*2) (*4) (*3)

3.38. COMMON CURRENT STATUS REQUEST (300-20.)

(1) Availability

NC1201L-A, NC1101L-A, NC1205L-A+,
NC1000C, NC1001C+, NC1005C+
NC1700L,
NC3541L, NC2041L, NC2001L+, NC2601L+,
NP-02HD, NC2402ML, NC2002ML, NC1802ML
NC1402L, NC1202L

(2) Function

This command reads projector temperatures. The command is to be used in conjunction with “PARTS COUNT REQUEST (305-1.)”.

(3) Command

00H D3H 00H 00H 03H 20H DATA01 DATA02 CKS

Data Portion	Contents
DATA01	Parts kind 03H : Thermal sensors
DATA02	Thermal sensor ID to read 0 .. (N-1) : ID *N is the value getting from the “PARTS COUNT REQUEST (305-1.)”.

(4) Response: At the time of a success

20H D3H 00H xxH 05H 20H DATA01 .. DATA04 CKS

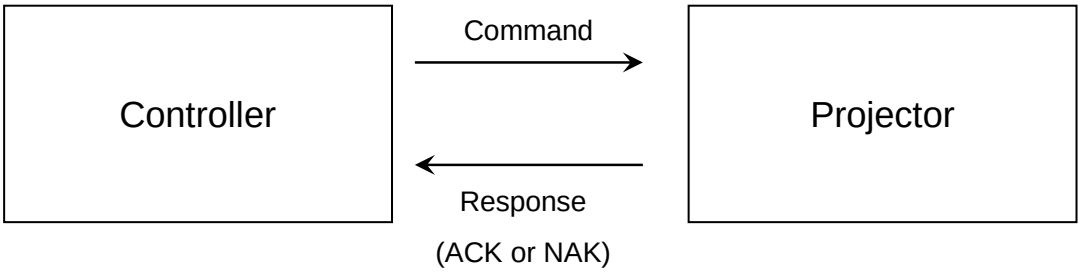
Data Portion	Contents
DATA01	The same value as DATA01 of sending packet
DATA02	The same value as DATA02 of sending packet
DATA03-04	Temperature value on the specified thermal sensor *Byte order is Little Endian, signed 16bit integer type. *The value is multiplied by 10. Unit is degree centigrade. e.g.) 455, means 45.5 degrees centigrade.

(5) Response: At the time of a failure

A0H	D3H	00H	xxH	02H	DATA01	DATA02	CKS
		(*1)	(*2)		(*4)		(*3)

4. Communication Frame

On the projectors communication is done in a frame composed of header, data, and checksum.
The frame sent from the controller to the projector is referred to as a command, and the one sent from the projector to the command as a reply is referred to as a response.
The response has two types; Acknowledge (hereafter referred to as ACK) that recognizes a command and Negative Acknowledge (hereafter referred to as NAK) that fails to recognize a command.



4.1. Frame Format

One frame comprises a header, a data portion, and a checksum.

Frame Format:

Header portion					Data portion (Max. 4095 Bytes)			Checksum
1	2	3	4	5	6	– – –	n	m
8 Bit	8 Bit	8 Bit	4 Bit	12 Bit	8 Bit	– – –	8 Bit	8 Bit
ID1	ID2	Projector ID	Model code	Data length				

(1) ID1: (8 Bit)
This is an identification data assigned to each command.

Command :
This sets an identification data assigned to each command to send it.
(See each command description.)

Response :
This returns the 6th bit of received ID1 as HIGH.
For ACK it sends the 8th bit back as LOW (recognized); for NAK it sends the 8th bit back as HIGH (not recognized).

(2) ID2: (8 Bit)
This is an identification data assigned to each command.

Command :
This sets an identification data assigned to each command to send it.
(See each command description.)

Response :
This returns the value of received ID2 as is.

(3) Projector ID : (8 Bit)
This is a projector ID for the projector that sends and receives frames.

Command :
This specifies a projector ID for the projector that sends and receives commands. (individual notification)
Entering 00H or FFH becomes a common command for all the projectors.
(broadcast notification)
This is convenient for controlling multiple projectors at the same time.

* When the controller is connected with the projector on a one-to-one basis Broadcast notification is recommended.
* When the controller is connected with multiple projectors:
To control a certain projector, use "individual notification".
For all others "broadcast notification" is recommended.

Response :
This returns the projector ID for a projector received regardless of individual notification or broadcast notification.

CAUTION :
To notify individually, specifying a model code from the following model codes is required.

(4) Model code: (4 Bit)
This is a model code for the projector that sends and receives frames.

Command :
This specifies a model code for the projector that sends commands.
(individual notification)
Entering 0000B or 1111B becomes a common command for all the projectors. (broadcast notification)
This is convenient for controlling multiple projectors at the same time.

* When the controller is connected with the projector on a one-to-one basis Broadcast notification is recommended.
* When the controller is connected with multiple projectors:
To control a certain projector, use "individual notification".
For all others "broadcast notification" is recommended.

Response :
This returns the model code for a projector received regardless of individual notification or broadcast notification.

Table of Model codes

0000B : (broadcast notification)
1011B : MM3000B
1100B : NC Series
1111B : (broadcast notification)

CAUTION :
* When the model code is set to “broadcast notification”, the command becomes broadcast notification command, regardless of values of the projector ID.
* Model code is specified using upper ranking 4 bits of data length.

The lower ranking 4 bits becomes the upper bits of data length.

(5) Data length : (12 Bit)
This is data length of data portion (unit:: byte).

Command :
This sets data length of data added to a command to send it.
(See each command description.)

Response :
This sets data length of data added to a response to send it.
(See each command description.)

CAUTION :
Data length is specified using total of 12 bits (0 – 4095) of 4 bits of the 4th byte and 8 bits of the 5th byte.* The upper ranking 4 bits of the 4th byte is model code.

(6) Data portion
This becomes data of data length specified in the data length portion.

Command :
This sets data added to a command to send it.
(See each command description.)

Response :
This sets data added to a response to send it.
(See each command description.)

(7) Checksum
This is lower ranking 8 bits of the sum total of the header and data portions of one transmit and receive data frame.

4.2. Data portion of response

(1) At the time of a success(ACK)

This returns ACK without adding data portion to the command that does not request data.
This returns ACK with adding data to the data portion for the command that requests data.

(2) At the time of a failure(NAK)

This adds a cause of not accepting the command to data portion to return it.

(Example) Power On

Command:
02H 00H 00H 00H 00H CKS

Response:

A2H 00H 01H 20H 02H DATA01 DATA02 CKS

DATA01 Error types	DATA02 Error description	Error contents
00H	00H	Unknown command
00H	01H	The current model does not support this function.
01H	00H	Invalid values specified.
01H	01H	Specified terminal is unavailable or cannot be selected.
01H	02H	Selected language is not available.
01H	03H	Specified terminal is not installed.
02H	00H	Available memory reservation error.
02H	01H	GPIO control enables. From NC2500/1500 1.20, NC800 1.10, not use.
02H	02H	Operating memory.
02H	03H	Setting not possible. Also NC series returns this code in the execution of GPI MACRO selection while metadata is enabled.
02H	04H	On Forced on-screen mute mode.
02H	06H	Displaying a signal other than PC Viewer.
02H	07H	No signal.
02H	08H	Displaying a test pattern or PC Card Files screen.
02H	09H	No PC card is inserted.
02H	0AH	Memory operation failed.
02H	0CH	Displaying the Entry List.
02H	0DH	Power Off inhibited.
02H	0EH	Execution error.
02H	0FH	No operation authority.
03H	00H	Specified gain number is wrong.
03H	01H	Selected gain is not available.
03H	02H	Adjustment failed.
06H	00H	MMS through command processing failed. (MMS is not Linked)
06H	01H	MMS through command processing failed. (MMS is not connected)
06H	02H	MMS through command processing failed. (Send error)
06H	03H	MMS through command processing failed. (Recv error(Timeout))
06H	04H	MMS through command processing failed. (Processing is invalid while NC series is standby)

5. Appendix A

A-1 : NC3240S-A, NC3200S, NC2000C, NC1200C

This list shows the definition of parameters included in error message.

Error code	Error message	Description
12 15	E2PROM R Fail (SYS:Param1,KEY:Param2,DIV:Param3) E2PROM R Fail (SYS:Param1,KEY:Param2,DIV:Param3)	Param 1/2/3: I2C: I2C error CRC : CRC error Param 1/2/3: I2C: I2C error Vfy : Verify error
17 150-159 162-163 164 250-259 262 260-261	Pump Stop(Param1) Fanx Stop(Param1) Lamp Fanx Stop(Param1) ICP Fan Stop(Param1) Fanx Stop Precaution(Param1) Pump Stop Precaution(Param1) Lamp Fanx Stop Precaution(Param1)	Param1: Rotating Speed(Decimal)
120	DLP Ack Fail (Param1, Param2)	Param1: 2nd portion of ICP command. Param2: 3rd portion of ICP command. ICP failed operation to the command, “CMD1, Param1, Pram2, …”.
121	Lens Fail(Param1) (Param2, Param3)	Param1: Detailed error information as follows EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Comm Send Fail Comm Recv Fail Comm Timeout Restart(In this case, no Param2/3) Param2/3: Lens unit control parameters.
125	LPSU Fail(Param1) LPSU Fail(Param1, Param2)	Param1: “No Lamp” :Never communications with LPSU after AC-ON. “Power”: Communication fail during regular LPSU status check. Communication error with LPSU occurs. Param1: Failed LPSU command code Param2: Error type “ErrTx”, “ErrRx”, “Tout”, “ErrCmd”
128	OutRange(Param1, Param2, Param3, Pram4)	Param1: Caused operation Lamp M: Manual adjustment Lamp D: Douser operation Lamp FW: FeedBack(to keep watt) process Lamp FB: FeedBack(to keep illuminance) process Lamp LM: Lamp memory process Param2: Lamp current tried to set by projector (in 0.1A) Param3: Lamp current get from LPSU (in A) Param4: Lamp wattage get from LPSU (in W)

129	Down Lamp Power (Param1, Param2, Param3)	Param1: Measured point (Out/Intake/Exhaust/DMD-B) Param2: Temperature(in deg) Param3: Lamp output Lamp current (in 0.1A)
130	MMS Comm Fail (Param1:Param2:Param3)	Param1: Failed MMS command code Param2: Error type (“Con”, “Tx”, “Rx”, “Tout”) Param3: Error code e.g.) MMS Comm Fail(01:Tx02)
133	MM Reset (Command:Param1)	Param1: When executed to reset Built-in MMS. 001: Executed to reset Built-in MMS when no communications between projector main system and MMS. T-001: Executed to reset Built-in MMS when no communication between external projector and MMS.
140 141	DLP CommR Fail (Param1Param2Param3:Param4) DLP CommE Fail (Param1Param2Param3:Param4)	Param1: First portion of ICP command. Param2: Second portion of ICP command. Param3: Third portion of ICP command. Param4: Error type (“Con”, “Tx”, Rxn”, “Nack”, “Tout”) e.g.) DLP CommR Fail(010203:Nak=0001H) ICP returns “NAK” response to the command, “01, 02, 03, …”.
145-148	SensorFail xxx(Param1)	Param1: Get/Set Failed to get/set data from/to sensor board.
165	GPI MACRO(n) Selection Invalid	n: Preset Button Number(1-8)
166	GPI Control(Param1) Invalid	Param1: Canceled GPI control: Lamp Off/ On , Mute Off/ On/ Power On/Off Selection of preset button n (n=1..8)
170,172,173,	OverTemp.xxx(Param1)	Param1: Temperature(in deg)
171	OverTemp Precaution(Param1)	Param1: Precaution temperature(in deg)
177 178	Tamper Fail(Param1) Marriage Tamper Fail(Param1)	Param1 : Location of tampering switch. (Param1 is encrypted) LCD: Decrypted while projector is service mode or higher. Log: Decrypted to view while DCC is service mode or higher.
180	CPU Fail(Mem) Param1: Param2<->Param3	Param1-3: Detailed Test results.
210	Unknown LPSU Model(Param1)	Param1: Unexpected LPSU Product Model
213 214	12V Outside range(Param1) 24V Outside range(Param1)	Param1: Captured voltage value. LCD: invalid Log : valid
215 216	Lamp Filter Time Over(Param1) Body Filter Time Over(Param1)	Param1: usage hours
230	Router Fail(Param1)	Param1: “Connect” : Failed to connect to router “Tx” : Transmit error “Rx” : Receive error “Tout” : Communication timeout “Msg Format” : Unexpected data received

		“Data”: No data to setup router “Verify”: Setting verify error
235	Router Self Check Fail (Param1, Param2, Param3)	Param1 : Health check error timing “INIT”: After AC-ON “STBY”: During standby “ RUN”: During power-on Param2: Health check result “2”: Factory default “3”: No responses(Dead lock or something) “4”: Unstable status “5”: Factory default and unstable status “6”: Defective(possibly “2” to “5”) Param3: router response result (Valid when Param2 is “4” and “5”) N of 4 ping responses.
240	SIB Comm Fail (Param1Pram2Param3Param4)	Param1: “Connect”, “Tx”, “Rx”, “Nack”, “Tout” Param2: First portion of SIBcommand. Param3: Second portion of SIB command. Param4: Third portion of SIB command. When Param1 is “Nack”, nack data is added after Param4. e.g.) SIB Comm Fail(Nack)010203:0001H
241	SIB Error(Param1)	Param1: SIB internal error status “FPGA Open”: Failed to open serial I/F “FPGA Tx:nnn”: FPGA send error (nnn: failed send command) “FPGA Rx:nnn”: FPGA receive error (nnn: failed receive command) “MEM Open”: Device driver open error “MEM Read”: Device driver read error
400	Enigma Comm Fail (Param1Param2Param3:Param4)	Param1: First portion of Enigma command. Param2: Second portion of Enigma command. Param3: Third portion of Enigma command. Param4: Error Type “Conn=x”, “Tx”, “Rxn”, “Nack=xxxxH”, “Tout=xxxx”

A-2 : NC900C-A

This list shows the definition of parameters included in error message.

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Param1: The voltage during the error.
5	Lamp Unlit(Param1,Param2)	Param1: Information of cause of lamp1 unlit Param2: Information of cause of lamp2 unlit "---": Normal or no failure "Stand-by mode (lamp off stand-by) "The lightning start sequence" "Normal run (lamp on normal) "Stopped. (Lighting start failed or lamp off) "Stopped by over temperature protection [OTP]" "Stopped by lamp low voltage protection [LVP]" "Stopped by lamp over voltage protection [OVP]" "Stopped by low input voltage protection" "Stopped by abnormal voltage protection" "Stopped by temperature sensor abnormality" "Stopped by DC operation protection" "unknown(xx)": Get unknown error from Ballast "Tout" : Lamp on procedure timed out.
12	E2PROM R Fail (SYS:Param1,KEY:Param2)	Param 1/2: I2C: I2C error CRC : CRC error
15	E2PROM W Fail (SYS:Param1,KEY:Param2)	Param 1/2: I2C: I2C error Vfy : Verify error
120	DLP Ack Fail (Param1, Param2)	Param1: 2nd portion of ICP command. Param2: 3rd portion of ICP command. ICP failed operation to the command, "CMD1, Param1, Pram2, …".
121	Lens Fail(Param1) (Param2, Param3)	Param1: Detailed error information as follows EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Comm Send Fail Comm Recv Fail Comm Timeout Restart(In this case, no Param2/3) Param2/3: Lens unit control parameters.
140 141	DLP CommR Fail (Param1Param2Param3:Param4) DLP CommE Fail (Param1Param2Param3:Param4)	Param1: First portion of ICP command. Param2: Second portion of ICP command. Param3: Third portion of ICP command. Param4: Error type ("Con", "Tx", Rxn", "Nack", "Tout") e.g.) DLP CommR Fail(010203:Nak=0001H) ICP returns "NAK" response to the command, "01, 02, 03, …".
151-159	Fan1-9 Stop (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error "Rotate Error" "Driver Error" "RotateAndDriver Error"

		Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
164	ICP Fan Stop(Param1,Param2)	Param1: Information of cause of error "Rotate Error" Param2: Current speed(rpm)
165	GPI MACRO(n) Selection Invalid	n: Preset Button Number(1-8)
166	GPI Control(Param1) Invalid	Param1: Canceled GPI control: Lamp Off/ On , Mute Off/ On/ Power On/Off Selection of preset button n (n=1..8)
177 178	Tamper Fail(Param1) Marriage Tamper Fail(Param1)	Param1 : Location of tampering switch. (Param1 is encrypted) LCD: Decrypted while projector is service mode or higher. Log: Decrypted to view while DCC is service mode or higher.
180	CPU Fail(Mem) Param1: Param2<->Param3	Param1-3: Detailed Test results.
215	Filter Time Over(Param1)	Param1: usage hours
230	Router Fail(Param1)	Param1: "Connect" : Failed to connect to router "Tx" : Transmit error "Rx" : Receive error "Tout" : Communication timeout "Msg Format" : Unexpected data received "Data": No data to setup router "Verify": Setting verify error
235	Router Self Check Fail (Param1, Param2, Param3)	Param1 : Health check error timing "INIT": After AC-ON "STBY": During standby " RUN": During power-on Param2: Health check result "2": Factory default "3": No responses(Dead lock or something) "4": Unstable status "5": Factory default and unstable status "6": Defective(possibly "2" to "5") Param3: router response result (Valid when Param2 is "4" and "5") N of 4 ping responses.
240	SIB Comm Fail (Param1Pram2Param3Param4)	Param1: "Connect", "Tx", "Rx", "Nack", "Tout" Param2: First portion of SIBcommand. Param3: Second portion of SIB command. Param4: Third portion of SIB command. When Param1 is "Nack", nack data is added after Param4. e.g.) SIB Comm Fail(Nack)010203:0001H
241	SIB Error(Param1)	Param1: SIB internal error status "FPGA Open": Failed to open serial I/F "FPGA Tx:nnn": FPGA send error

		(nnn: failed send command) "FPGA Rx:nnn": FPGA receive error (nnn: failed receive command) "MEM Open": Device driver open error "MEM Read": Device driver read error
245-249	Fan10-14 Stop (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error "Rotate Error" "Driver Error" "RotateAndDriver Error" Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
251-259	Fan1-9 Stop Precaution (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error "Rotate Error" Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
263	ICP Fan Stop Precaution (Param1,Param2)	Param1: Information of cause of error "Rotate Error" Param2: Current speed(rpm)
264-268	Fan10-14 Stop Precaution (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error "Rotate Error" Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
270 271	SD Tamper Terminate(Param1) IMB:SD Tamper Terminate(Param1)	Param1: Operation level to clear tamper event
372	ICP Data Path Signature Test Result Fail(Param1)	Param1: Fault channel "Red" / "Green" / "Blue"
400	Enigma Comm Fail (Param1Param2Param3:Param4)	Param1: First portion of Enigma command. Param2: Second portion of Enigma command. Param3: Third portion of Enigma command. Param4: Error Type "Conn=x", "Tx", "Rxn", "Nack=xxxxH", "Tout=xxxx"
500	IMBComm Fail (Param1Param2Param3:Param4)	Param1: First portion of IMB command. Param2: Second portion of IMBcommand. Param3: Third portion of IMB command. Param4: Error Type "Conn=x", "Tx", "Rxn", "Nack=xxxxH", "Tout=xxxx"
700	Slave Comm Fail(Param1,Param2)	Param1: Error Type Tx: Slave command sending error Rx: Slave command receiving error Tout1: Timeout error Tout2: Timeout error AckD: ACK DATA error Else: others Param2: Sending command during the error
701	Slave Status Fail(Parm1,Param2)	Param1: expected slave status Param2: current slave status
702	Lamp Lit Change(Param1,Param2)	Param1: Information of cause of lamp1 unlit Param2: Information of cause of lamp2 unlit "---": Normal or no failure "Stand-by mode (lamp off stand-by) "The lightning start sequence"

		“Normal run (lamp on normal) “Stopped. (Lighting start failed or lamp off) “Stopped by over temperature protection [OTP]” “Stopped by lamp low voltage protection [LVP]” “Stopped by lamp over voltage protection [OVP]” “Stopped by low input voltage protection” “Stopped by abnormal voltage protection” “Stopped by temperature sensor abnormality” “Stopped by DC operation protection” “unknown(xx)”: Get unknown error from Ballast “Tout” : Lamp on procedure timed out.
703	Slave Comm Ack Fail (Param1,Param2)	Param1: Cause of error 1: ACK error(parameter error) 2: ACK error(command execution error) 3: ACK error(can not accept command) X: others
750	OverTemp.DMD Precaution(Param1)	Param1: DMD temperature at the event(in deg)
751	OverTemp.Inlet Precaution(Param1)	Param1: Inlet temperature at the event(in deg)
752	Down Lamp Power Activated (Param1, Param2, Param3,Param4)	Param1: DMD temperature at the event(in deg) Param2: Inlet temperature at the event(in deg) Param3: Ballast1 temperature at the event(in deg) Param4: Ballast2 temperature at the event(in deg)
753	OverTemp.Ballast1 Precaution (Param1)	Param1: Ballast1 temperature at the event(in deg)
754	OverTemp.Ballast2 Precaution (Param1)	Param1: Ballast2 temperature at the event(in deg)
760	OverTemp.DMD (Param1)	Param1: DMD temperature at the event(in deg)
761	OverTemp.Inlet (Param1)	Param1: Inlet temperature at the event(in deg)
764	OverTemp.Ballast1(Param1)	Param1: Ballast1 temperature at the event(in deg)
765	OverTemp.Ballast2(Param1)	Param1: Ballast2 temperature at the event(in deg)
800-801	Fan15-16 Stop (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” “Driver Error” “RotateAndDriver Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
810-811	Fan15-16 Stop Precaution (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)

A-3 : NC1040L-A, NC1440L-A,

This list shows the definition of parameters included in error message.

Error code	Error message	Description
12	E2PROM R Fail (SYS:Param1,KEY:Param2,DIV:Param3)	Param 1/2/3: I2C: I2C error CRC : CRC error
15	E2PROM R Fail (SYS:Param1,KEY:Param2,DIV:Param3)	Param 1/2/3: I2C: I2C error Vfy : Verify error
17 150-157 164 250-257 262 263	Pump Stop(Param1) Fanx Stop(Param1) ICP Fan Stop(Param1) Fanx Stop Precaution(Param1) Pump Stop Precaution(Param1) ICP Fan Stop Precaution(Param1)	Param1: Rotating Speed(Decimal)
120	DLP Ack Fail (Param1, Param2)	Param1: 2nd portion of ICP command. Param2: 3rd portion of ICP command. ICP failed operation to the command, “CMD1, Param1, Pram2, …”.
140 141	DLP CommR Fail (Param1Param2Param3:Param4) DLP CommE Fail (Param1Param2Param3:Param4)	Param1: First portion of ICP command. Param2: Second portion of ICP command. Param3: Third portion of ICP command. Param4: Error type (“Con”, “Tx”, Rxn”, “Nack”, “Tout”) e.g.) DLP CommR Fail(010203:Nak=0001H) ICP returns “NAK” response to the command, “01, 02, 03, …”.
144-148	SensorFail xxx(Param1)	Param1: Get/Set Failed to get/set data from/to sensor board.
165	GPI MACRO(n) Selection Invalid	n: Preset Button Number(1-8)
166	GPI Control(Param1) Invalid	Param1: Canceled GPI control: Lamp Off/ On , Mute Off/ On/ Power On/Off Selection of preset button n (n=1..8)
169,171-173,	OverTemp.xxx(Param1)	Param1: Temperature(in deg)
177 178	Tamper Fail(Param1) Marriage Tamper Fail(Param1)	Param1 : Location of tampering switch. (Param1 is encrypted) LCD: Decrypted while projector is service mode or higher. Log: Decrypted to view while DCC is service mode or higher.
213 214	12V Outside range(Param1) 24V Outside range(Param1)	Param1: Captured voltage value. LCD: invalid Log : valid
216	Body Filter Time Over(Param1)	Param1: usage hours
230	Router Fail(Param1)	Param1: “Connect” : Failed to connect to router “Tx” : Transmit error “Rx” : Receive error “Tout” : Communication timeout “Msg Format” : Unexpected data received

		“Data”: No data to setup router “Verify”: Setting verify error
235	Router Self Check Fail (Param1, Param2, Param3)	Param1 : Health check error timing “INIT”: After AC-ON “STBY”: During standby “ RUN”: During power-on Param2: Health check result “2”: Factory default “3”: No responses(Dead lock or something) “4”: Unstable status “5”: Factory default and unstable status “6”: Defective(possibly “2” to “5”) Param3: router response result (Valid when Param2 is “4” and “5”) N of 4 ping responses.
240	SIB Comm Fail (Param1Pram2Param3Param4)	Param1: “Connect”, “Tx”, “Rx”, “Nack”, “Tout” Param2: First portion of SIBcommand. Param3: Second portion of SIB command. Param4: Third portion of SIB command. When Param1 is “Nack”, nack data is added after Param4. e.g.) SIB Comm Fail(Nack)010203:0001H
241	SIB Error(Param1)	Param1: SIB internal error status “FPGA Open”: Failed to open serial I/F “FPGA Tx:nnn”: FPGA send error (nnn: failed send command) “FPGA Rx:nnn”: FPGA receive error (nnn: failed receive command) “MEM Open”: Device driver open error “MEM Read”: Device driver read error
400	Enigma Comm Fail (Param1Param2Param3:Param4)	Param1: First portion of Enigma command. Param2: Second portion of Enigma command. Param3: Third portion of Enigma command. Param4: Error Type “Conn=x”, “Tx”, “Rxn”, “Nack=xxxxH”, “Tout=xxxx”
600	LU Comm Fail(Param1,Param2,Param3)	Param1:Unit No. Param2:Laser Unit command Param3: “Tx” : Transmit error “Rx” : Receive error “Tout” : Communication timeout “Ack” : Ack command error
602	LU Comm ACK Fail (Param1,Param2,Param3)	Param1:Unit No. Param2:Laser Unit command Param3:Error type “ModeNG”,“ParamNG”,“Other3”,“Bd Temp”, “LU Temp”,”NoBoard”,”Other”
603	LU Mode Error(Param1,Param2)	Param1:Target laser unit status Param2:Laser unit status during the error

615 645	LU1 Fan Stop(Param1) LU2 Fan Stop(Param1)	Param1: Location of stopping FAN.
616 617 646 647	LU1 OverTemp. Warning (Param1,Param2,Param3,Param4 ,Param5, Param6) LU1 OverTemp. Stop (Param1,Param2,Param3,Param4 ,Param5, Param6) LU2 OverTemp. Warning (Param1,Param2,Param3,Param4 ,Param5, Param6) LU2 OverTemp. Stop (Param1,Param2,Param3,Param4 ,Param5, Param6)	Param1: Intake1 temperature (in deg) Param2: Intake2 temperature (in deg) Param3: Exhaust1 temperature (in deg) Param4: Exhaust2 temperature (in deg) Param5: Main board temperature (in deg) Param6: Humidity temperature (in deg)
619 620 625 628 649 650 655 658	LU1 LD Stop Comm(Param1) LU1 LD Stop(Param1) LU1 LD Stop Light(Param1) LU1 LD Stop ALL(Param1) LU2 LD Stop Comm(Param1) LU2 LD Stop(Param1) LU2 LD Stop Light(Param1) LU2 LD Stop ALL(Param1)	Param1:Information of stoped laser module
621 651	LU1 OverVoltage(Param1) LU2 OverVoltage(Param1)	Param1:Information of over voltage laser module
622 652	LU1 Power Alarm(Param1) LU2 Power Alarm(Param1)	Param1:Information of stoped laser module
624 654	LU1 LD OverTemp. (Param1) LU2 LD OverTemp. (Param1)	Param1:Information of damaged power unit
627 657	LU1 Connect Fail(Param1) LU2 Connect Fail(Param1)	Param1:Information of connected laser unit
629 659	LU1 FAN Failure Warning(Param1) LU2 FAN Failure Warning(Param1)	Param1:Information of damaged FAN

A-4 : NC1100L-A

This list shows the definition of parameters included in error message.

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Param1: The voltage during the error.
12	E2PROM R Fail (SYS:Param1,KEY:Param2)	Param 1/2: I2C: I2C error CRC : CRC error
15	E2PROM W Fail (SYS:Param1,KEY:Param2)	Param 1/2: I2C: I2C error Vfy : Verify error
120	DLP Ack Fail (Param1, Param2)	Param1: 2nd portion of ICP command. Param2: 3rd portion of ICP command. ICP failed operation to the command, “CMD1, Param1, Pram2, …”.
121	Lens Fail(Param1) (Param2, Param3)	Param1: Detailed error information as follows EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Comm Send Fail Comm Recv Fail Comm Timeout Restart(In this case, no Param2/3) Param2/3: Lens unit control parameters.
140 141	DLP CommR Fail (Param1Param2Param3:Param4) DLP CommE Fail (Param1Param2Param3:Param4)	Param1: First portion of ICP command. Param2: Second portion of ICP command. Param3: Third portion of ICP command. Param4: Error type (“Con”, “Tx”, Rxn”, “Nack”, “Tout”) e.g.) DLP CommR Fail(010203:Nak=0001H) ICP returns “NAK” response to the command, “01, 02, 03, …”.
151-159	Fan1-9 Stop (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” “Driver Error” “RotateAndDriver Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
164	ICP Fan Stop(Param1,Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)
165	GPI MACRO(n) Selection Invalid	n: Preset Button Number(1-8)
166	GPI Control(Param1) Invalid	Param1: Canceled GPI control: Lamp Off/ On , Mute Off/ On/ Power On/Off Selection of preset button n (n=1..8)
177 178	Tamper Fail(Param1) Marriage Tamper Fail(Param1)	Param1 : Location of tampering switch. (Param1 is encrypted) LCD: Decrypted while projector is service mode or higher. Log: Decrypted to view while DCC is service mode or higher.

180	CPU Fail(Mem) Param1: Param2<->Param3	Param1-3: Detailed Test results.
215	Filter Time Over(Param1)	Param1: usage hours
230	Router Fail(Param1)	Param1: “Connect” : Failed to connect to router “Tx” : Transmit error “Rx” : Receive error “Tout” : Communication timeout “Msg Format” : Unexpected data received “Data”: No data to setup router “Verify”: Setting verify error
235	Router Self Check Fail (Param1, Param2, Param3)	Param1 : Health check error timing “INIT”: After AC-ON “STBY”: During standby “ RUN”: During power-on Param2: Health check result “2”: Factory default “3”: No responses(Dead lock or something) “4”: Unstable status “5”: Factory default and unstable status “6”: Defective(possibly “2” to “5”) Param3: router response result (Valid when Param2 is “4” and “5”) N of 4 ping responses.
240	SIB Comm Fail (Param1Pram2Param3Param4)	Param1: “Connect”, “Tx”, “Rx”, “Nack”, “Tout” Param2: First portion of SIBcommand. Param3: Second portion of SIB command. Param4: Third portion of SIB command. When Param1 is “Nack”, nack data is added after Param4. e.g.) SIB Comm Fail(Nack)010203:0001H
241	SIB Error(Param1)	Param1: SIB internal error status “FPGA Open”: Failed to open serial I/F “FPGA Tx:nnn”: FPGA send error (nnn: failed send command) “FPGA Rx:nnn”: FPGA receive error (nnn: failed receive command) “MEM Open”: Device driver open error “MEM Read”: Device driver read error
245-249	Fan10-14 Stop (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” “Driver Error” “RotateAndDriver Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
251-259	Fan1-9 Stop Precaution (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)

263	ICP Fan Stop Precaution (Param1,Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)
264-268	Fan10-14 Stop Precaution (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
270 271	SD Tamper Terminate(Param1) IMB:SD Tamper Terminate(Param1)	Param1: Operation level to clear tamper event
372	ICP Data Path Signature Test Result Fail(Param1)	Param1: Fault channel “Red” / ”Green” / ”Blue”
400	Enigma Comm Fail (Param1Param2Param3:Param4)	Param1: First portion of Enigma command. Param2: Second portion of Enigma command. Param3: Third portion of Enigma command. Param4: Error Type “Conn=x”, “Tx”, “Rxn”, “Nack=xxxxH”, “Tout=xxxx”
500	IMBComm Fail (Param1Param2Param3:Param4)	Param1: First portion of IMB command. Param2: Second portion of IMBcommand. Param3: Third portion of IMB command. Param4: Error Type “Conn=x”, “Tx”, “Rxn”, “Nack=xxxxH”, “Tout=xxxx”
700	Slave Comm Fail(Param1,Param2)	Param1: Error Type Tx: Slave command sending error Rx: Slave command receiving error Tout1: Timeout error Tout2: Timeout error AckD: ACK DATA error Else: others Param2: Sending command during the error
701	Slave Status Fail(Parm1,Param2)	Param1: expected slave status Param2: current slave status
703	Slave Comm Ack Fail (Param1,Param2)	Param1: Cause of error 1: ACK error(parameter error) 2: ACK error(command execution error) 3: ACK error(can not accept command) X: others
750	OverTemp.DMD Precaution(Param1)	Param1: DMD temperature at the event(in deg)
751	OverTemp.Inlet Precaution(Param1)	Param1: Inlet temperature at the event(in deg)
760	OverTemp.DMD (Param1)	Param1: DMD temperature at the event(in deg)
761	OverTemp.Inlet (Param1)	Param1: Inlet temperature at the event(in deg)
800-801	Fan15-16 Stop (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” “Driver Error” “RotateAndDriver Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
802-803	Pump1 Stop(Param1, Param2) Pump2 Stop(Param1, Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)
804	PhosphorWheel Stop (Param1, Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)

805	DiffuserWheel Stop (Param1, Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)
806-807	Fan17-18 Stop (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” “Driver Error” “RotateAndDriver Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
810-811	Fan15-16 Stop Precaution (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
812-813	Pump1 Stop Precaution (Param1, Param2) Pump2 Stop Precaution (Param1, Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)
814	PhosphorWheel Stop Precaution (Param1, Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)
815	DiffuserWheel Stop Precaution (Param1, Param2)	Param1: Information of cause of error “Rotate Error” Param2: Current speed(rpm)
816-817	Fan17-18 StopPrecaution (Param1,Param2,Param3/Pram4)	Param1: Information of cause of error “Rotate Error” Param2: Current speed/Target speed * 100(%) Param3: Current speed(rpm) Param4: Target speed(rpm)
914	LowerTemp(Param1)	Param1: temperature at the event(in deg)
943-947	OverTemp.LSDiode1-5 Precaution(Param1)	Param1: temperature at the event(in deg)
948-951	OverTemp.LSYDrv1-4 Precaution(Param1)	Param1: temperature at the event(in deg)
952	OverTemp.LSBDrv1Precaution(Param1)	Param1: temperature at the event(in deg)
953	OverTempPhosphorWheelPrecaution (Param1)	Param1: temperature at the event(in deg)
963-967	OverTemp.LSDiode1-5 (Param1)	Param1: temperature at the event(in deg)
968-971	OverTemp.LSYDrv1-4 (Param1)	Param1: temperature at the event(in deg)
972	OverTemp.LSBDrv1Precaution(Param1)	Param1: temperature at the event(in deg)
973	OverTempPhosphorWheel(Param1)	Param1: temperature at the event(in deg)

A-5 : NC1201L-A

Error code	Error message	Description
12	EEPROM R Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error CRC: Verification error
15	EEPROM W Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error Vfy: Verification error
120	DLP Ack Fail(Param1)	Param1: ICP command parameters(4-digits numbers) when gettng error
121	Lens Fail(Param1)(Param2, Param3)	Param1: Detailed error information EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Command Send Fail Command Recv Fail Command Timeout Param2/3: Lens control parameters when getting error.
138	ICP CriticalFail(Param1)	Param1: Fatal error information(Engineer information)
139	ICP PowerOn Fail(Param1)	Param1: Start up fail information 4: FMT FPGA commucation error 6: Reboot error 8: ICP process not launched 5: Ohters
141	DLP CommE Fail(Param1:Param2)	Param1: ICP command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout If (LoginMgr:) is recorded, 141 error is caused by communication issue with LoginMgr.
166	GPI Control(Param1) Invalid	Param1: GPI control execution event "Mute On" "Mute Off" "Light On" "Light Off" "Power On" "Power Off" "Preset button n" n=1 .. 20
177	Tamper Fail(Param1)	Param1: Service door tamper switch location (Secured information)
178	Marriage Tamper Fail(Param1)	Param1: Marriage tamper switch location (Secured information)
271	IMB:SD Tamper Terminate(Param1)	Param1: Executor to terminate service door tamper event on IMB/IMS.

500	IMB Comm Fail (Param1Param2Param3:Param4)	Param1: IMB/IMS command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout
1000	Slave Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: Slave CPU command parameters(6-digits numbers) when getting error.
1003	Slave Ack Fail(Param1:Param2)	Param1: Error kind 10: Parameer error 20: Command execution error 30: Unknown command Param2: Slave CPU execution command(6-digits numbers) when getting error.
1005	Slave No Notify(Param1)[(Param2)]	(Param1)[(Param2)] (on): No notify from SlaveCPU at power-on/light-on (off): No notify from SlaveCPU at power-off/light-on (on)(xx): No notify from SlaveCPU at power-on /light-on with another error (off)(xx): No notify from SlaveCPU at power-off /light-off with another error *xx is engineer information
1010	LD Data Comp.Fail(Param1)	Param1: Error kind 1: Need LD Data copy *Select properly source&destination 5: FMT-LD Data is OK, and LU-LD Data is NG 6: FMT-LD Data is NG, and LU EEPROM error 7: Both FMT and LU EEPROMs are error
1011	LD Data Warning(Param1)	Param1: Error kind 2: Both FMT-LD Data and LU1LD Data are NG
1111	Filter1 Cleaning Time(Param1)	Param1: Usage time from last cleaning
1112	Filter2 Cleaning Time(Param1)	Param1: Usage time from last cleaning
1113	Filter3 Cleaning Time(Param1)	Param1: Usage time from last cleaning
1114	Filter4 Cleaning Time(Param1)	Param1: Usage time from last cleaning
1200	Fan1 Stop(Param1)	Param1: Fan speed(in rpm)
1201	Fan2 Stop(Param1)	Param1: Fan speed(in rpm)
1202	Fan3 Stop(Param1)	Param1: Fan speed(in rpm)
1203	Fan4 Stop(Param1)	Param1: Fan speed(in rpm)
1204	Fan5 Stop(Param1)	Param1: Fan speed(in rpm)
1205	Fan6 Stop(Param1)	Param1: Fan speed(in rpm)
1206	Fan7 Stop(Param1)	Param1: Fan speed(in rpm)
1207	Fan8 Stop(Param1)	Param1: Fan speed(in rpm)
1208	Fan9 Stop(Param1)	Param1: Fan speed(in rpm)
1209	Fan10 Stop(Param1)	Param1: Fan speed(in rpm)
1210	Fan11 Stop(Param1)	Param1: Fan speed(in rpm)
1211	Fan12 Stop(Param1)	Param1: Fan speed(in rpm)
1212	Fan13 Stop(Param1)	Param1: Fan speed(in rpm)
1213	Fan14 Stop(Param)	Param1: Fan speed(in rpm)
1214	Fan15 Stop(Param1)	Param1: Fan speed(in rpm)

1215	Fan16 Stop(Param1)	Param1: Fan speed(in rpm)
1216	Fan17 Stop(Param1)	Param1: Fan speed(in rpm)
1217	Fan18 Stop(Param1)	Param1: Fan speed(in rpm)
1218	Fan19 Stop(Param1)	Param1: Fan speed(in rpm)
1219	Fan20 Stop(Param1)	Param1: Fan speed(in rpm)
1220	Fan21 Stop(Param1)	Param1: Fan speed(in rpm)
1221	Fan22 Stop(Param1)	Param1: Fan speed(in rpm)
1222	Fan23 Stop(Param1)	Param1: Fan speed(in rpm)
1223	Fan24 Stop(Param1)	Param1: Fan speed(in rpm)
1224	Fan25 Stop(Param1)	Param1: Fan speed(in rpm)
1225	Fan26 Stop(Param1)	Param1: Fan speed(in rpm)
1226	Fan27 Stop(Param1)	Param1: Fan speed(in rpm)
1227	Fan28 Stop(Param1)	Param1: Fan speed(in rpm)
1228	Fan29 Stop(Param1)	Param1: Fan speed(in rpm)
1250	Phosphor Wheel Stop(Param1)	Param1: Motor speed(in rpm)
1251	Diffuser Stop(Param1)	Param1: Motor speed(in rpm)
1300	OverTemp.Temp1(Param1)	Param1: Temperature(in degC)
1301	OverTemp.Temp2(Param1)	Param1: Temperature(in degC)
1302	OverTemp.Temp3(Param1)	Param1: Temperature(in degC)
1303	OverTemp.Temp4(Param1)	Param1: Temperature(in degC)
1304	OverTemp.Temp5(Param1)	Param1: Temperature(in degC)
1305	OverTemp.Temp6(Param1)	Param1: Temperature(in degC)
1306	OverTemp.Temp7(Param1)	Param1: Temperature(in degC)
1307	OverTemp.Temp8(Param1)	Param1: Temperature(in degC)
1308	OverTemp.Temp9(Param1)	Param1: Temperature(in degC)
1309	OverTemp.Temp10(Param1)	Param1: Temperature(in degC)
1310	OverTemp.Temp11(Param1)	Param1: Temperature(in degC)
1311	OverTemp.Temp12(Param1)	Param1: Temperature(in degC)
1312	OverTemp.Temp13(Param1)	Param1: Temperature(in degC)
1313	OverTemp.Temp14(Param1)	Param1: Temperature(in degC)
1350	OverTemp.Sensor Temp1(Param1)	Param1: Temperature(in degC)
1400	OverTemp.Temp1 Precaution(Param1)	Param1: Temperature(in degC)
1401	OverTemp.Temp2 Precaution(Param1)	Param1: Temperature(in degC)
1402	OverTemp.Temp3 Precaution(Param1)	Param1: Temperature(in degC)
1403	OverTemp.Temp4 Precaution(Param1)	Param1: Temperature(in degC)
1404	OverTemp.Temp5 Precaution(Param1)	Param1: Temperature(in degC)
1405	OverTemp.Temp6 Precaution(Param1)	Param1: Temperature(in degC)
1406	OverTemp.Temp7 Precaution(Param1)	Param1: Temperature(in degC)
1407	OverTemp.Temp8 Precaution(Param1)	Param1: Temperature(in degC)
1408	OverTemp.Temp9 Precaution(Param1)	Param1: Temperature(in degC)
1409	OverTemp.Temp10 Precaution(Param1)	Param1: Temperature(in degC)
1410	OverTemp.Temp11 Precaution(Param1)	Param1: Temperature(in degC)
1411	OverTemp.Temp12 Precaution(Param1)	Param1: Temperature(in degC)
1412	OverTemp.Temp13 Precaution(Param1)	Param1: Temperature(in degC)
1413	OverTemp.Temp14 Precaution(Param1)	Param1: Temperature(in degC)
1450	OverTemp.Sensor Temp1 Precaution(Param1)	Param1: Temperature(in degC)
1600	Fan1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)

1601	Fan2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1602	Fan3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1603	Fan4 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1604	Fan5 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1605	Fan6 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1606	Fan7 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1607	Fan8 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1608	Fan9 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1609	Fan10 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1610	Fan11 Stop(Param)	Param1: Fan speed(in rpm)
1611	Fan12 Stop(Param)	Param1: Fan speed(in rpm)
1612	Fan13 Stop(Param)	Param1: Fan speed(in rpm)
1613	Fan14 Stop(Param)	Param1: Fan speed(in rpm)
1614	Fan15 Stop(Param)	Param1: Fan speed(in rpm)
1615	Fan16 Stop(Param)	Param1: Fan speed(in rpm)
1616	Fan17 Stop(Param)	Param1: Fan speed(in rpm)
1617	Fan18 Stop(Param)	Param1: Fan speed(in rpm)
1618	Fan19 Stop(Param)	Param1: Fan speed(in rpm)
1619	Fan20 Stop(Param)	Param1: Fan speed(in rpm)
1620	Fan21 Stop(Param)	Param1: Fan speed(in rpm)
1621	Fan22 Stop(Param)	Param1: Fan speed(in rpm)
1622	Fan23 Stop(Param)	Param1: Fan speed(in rpm)
1623	Fan24 Stop(Param)	Param1: Fan speed(in rpm)
1624	Fan25 Stop(Param)	Param1: Fan speed(in rpm)
1625	Fan26 Stop(Param)	Param1: Fan speed(in rpm)
1626	Fan27 Stop(Param)	Param1: Fan speed(in rpm)
1627	Fan28 Stop(Param)	Param1: Fan speed(in rpm)
1628	Fan29 Stop(Param)	Param1: Fan speed(in rpm)
2000	IntegrityFail(Param1)	Param1: FIFS error information(Security information)
2002	LD Y Error(Param1,Param2,Param3)	Param1: LD-Y error status (6-digits number)=aabbcc aa: LD1(Y)-CH1 status bb: LD1(Y)-CH2 status cc: LD1(Y)-CH3 status Param2: LD2(Y) error status (6-digits number)=ddeeff dd: LD2(Y)-CH1 status ee: LD2(Y)-CH2 status ff: LD2(Y)-CH3 status Param3: LD4(Y) error status (6-digits number)=gghhii gg: LD4(Y)-CH1 status hh: LD4(Y)-CH2 status ii: LD4(Y)-CH3 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)

2003	LD B Error(Param1)	Param1: LD-B error status (8-digits number)=aabbccdd aa: LD3(B)-CH1 status bb: LD3(B)-CH2 status cc: LD3(B)-CH3 status dd: LD3(B)-CH3 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)
2004	LD VIN Error(Param1)	Param1: LD Driver VIN status (8-digits number)=aabbccdd aa: LD1 VIN status bb: LD2 VIN status cc: LD3 VIN status dd: LD4 VIN status *Detal information of the VIN status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection)

A-6 : NC1000C

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Param1: GPSU voltage.
12	EEPROM R Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error CRC: Verification error
15	EEPROM W Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error Vfy: Verification error
120	DLP Ack Fail(Param1)	Param1: ICP command parameters(4-digits numbers) when gettng error
121	Lens Fail(Param1)(Param2, Param3)	Param1: Detailed error information EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Command Send Fail Command Recv Fail Command Timeout Param2/3: Lens control parameters when getting error.
138	ICP CriticalFail(Param1)	Param1: Fatal error information(Engineer information)
139	ICP PowerOn Fail(Param1)	Param1: Start up fail information 4: FMT FPGA commucation error 6: Reboot error 8: ICP process not launched 5: Ohters

141	DLP CommE Fail(Param1:Param2)	Param1: ICP command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout If (LoginMgr:) is recorded, 141 error is caused by communication issue with LoginMgr.
151	Fan1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
152	Fan2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
153	Fan3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
154	Fan4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

155	Fan5 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
156	Fan6 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
157	Fan7 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
158	Fan8 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
159	Fan9 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
166	GPI Control(Param1) Invalid	Param1: GPI control execution event "Mute On" "Mute Off" "Light On" "Light Off" "Power On" "Power Off" "Preset button n" n=1 .. 20

177	Tamper Fail(Param1)	Param1: Service door tamper switch location (Secured information)
178	Marriage Tamper Fail(Param1)	Param1: Marriage tamper switch location (Secured information)
245	Fan10 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
246	Fan11 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
247	Fan12 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
248	Fan13 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
249	Fan14 Stop(Param)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

251	Fan1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
252	Fan2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
253	Fan3 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
254	Fan4 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
255	Fan5 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)

256	Fan6 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
257	Fan7 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
258	Fan8 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
259	Fan9 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
264	Fan10 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)

265	Fan11 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
266	Fan12 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
267	Fan13 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
268	Fan14 Stop Precaution(Param)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
271	IMB:SD Tamper Terminate(Param1)	Param1: Executor to terminate service door tamper event on IMB/IMS.
500	IMB Comm Fail (Param1Param2Param3:Param4)	Param1: IMB/IMS command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout
700	OPT Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: OPT CPU command parameters(6-digits numbers) when getting error.
701	OPT Status Fail(Param1,Param2)	Param1: Expected status Param2: Current status

702	Lamp Lit Change(Param1,Param2)	Param1: Lamp1 status, Param2: Lamp2 status
703	OPT Comm Ack Fail(Param1:Param2)	Param1: Error kind 1: Parameer error 2: Command execution error 3: Can not accept command 4: Unknown command Param2: OPT-CPU execution command(6-digits numbers) when getting error.
710	Lamp1 OverTime(Param1)	Param1: Usage time
711	Lamp2 OverTime(Param1)	Param1: Usage time
750	OverTemp.DMD Precaution(Param1)	Param1: Temperature(in degC)
751	OverTemp.Inlet1 Precaution(Param1)	Param1: Temperature(in degC)
753	OverTemp.Ballast1 Precaution(Param1)	Param1: Temperature(in degC)
754	OverTemp.Ballast2 Precaution(Param1)	Param1: Temperature(in degC)
760	OverTemp.DMD(Param1)	Param1: Temperature(in degC)
761	OverTemp.Inlet1(Param1)	Param1: Temperature(in degC)
764	OverTemp.Ballast1(Param1)	Param1: Temperature(in degC)
765	OverTemp.Ballast2(Param1)	Param1: Temperature(in degC)
800	Fan15 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
801	Fan16 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
806	Fan17 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

807	Fan18 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
808	Fan19 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
809	Fan20 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
810	Fan15 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
811	Fan16 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)

816	Fan17 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
817	Fan18 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
818	Fan19 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
819	Fan20 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
830	Fan21 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

850	Fan21 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
1000	Slave Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: Slave CPU command parameters(6-digits numbers) when getting error.
1003	Slave Ack Fail(Param1:Param2)	Param1: Error kind 10: Parameer error 20: Command execution error 30: Unknown command Param2: Slave CPU execution command(6-digits numbers) when getting error.
1005	Slave No Notify(Param1)[(Param2)]	(Param1)[(Param2)] (on): No notify from SlaveCPU at power-on/light-on (off): No notify from SlaveCPU at power-off/light-on (on)(xx): No notify from SlaveCPU at power-on /light-on with another error (off)(xx): No notify from SlaveCPU at power-off /light-off with another error *xx is engineer information
1111	Filter1 Cleaning Time(Param1)	Param1: The time to clean chiller air filter1.
1112	Filter2 Cleaning Time(Param1)	Param1: The time to clean chiller air filter2.
1121	Filter1 Time Over(Param1)	Param1: Air filter1 usage time
1122	Filter2 Time Over(Param1)	Param1: Air filter2 usage time
2000	IntegrityFail(Param1)	Integrity error with the internal software code of the projector. * When this error has occurred, the projector will not accept any external demands. Communication with external devices will not be performed either.

A-7 : NC1700L

Error code	Error message	Description
4	GPSU(12V) Fail(Param1)	Param1: GPSU voltage.
12	EEPROM R Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error CRC: Verification error

15	EEPROM W Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error Vfy: Verification error
120	DLP Ack Fail(Param1)	Param1: ICP command parameters(4-digits numbers) when gettng error
121	Lens Fail(Param1)(Param2, Param3)	Param1: Detailed error information EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Command Send Fail Command Recv Fail Command Timeout Param2/3: Lens control parameters when getting error.
138	ICP CriticalFail(Param1)	Param1: Fatal error information(Engineer information)
139	ICP PowerOn Fail(Param1)	Param1: Start up fail information 4: FMT FPGA commucation error 6: Reboot error 8: ICP process not launched 5: Ohters
141	DLP CommE Fail(Param1:Param2)	Param1: ICP command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout If (LoginMgr:) is recorded, 141 error is caused by communication issue with LoginMgr.
151	Fan1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
152	Fan2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

153	Fan3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
154	Fan4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
155	Fan5 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
156	Fan6 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
157	Fan7 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

158	Fan8 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
159	Fan9 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
166	GPI Control(Param1) Invalid	Param1: GPI control execution event "Mute On" "Mute Off" "Light On" "Light Off" "Power On" "Power Off" "Preset button n" n=1 .. 20
177	Tamper Fail(Param1)	Param1: Service door tamper switch location (Secured information)
178	Marriage Tamper Fail(Param1)	Param1: Marriage tamper switch location (Secured information)
217	Chiller Filter Cleaning(Param1)	Param1: The time to clean chiller air filter.
245	Fan10 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
246	Fan11 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

247	Fan12 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
248	Fan13 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
249	Fan14 Stop(Param)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
251	Fan1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
252	Fan2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)

253	Fan3 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
254	Fan4 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
255	Fan5 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
256	Fan6 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
257	Fan7 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)

258	Fan8 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
259	Fan9 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
264	Fan10 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
265	Fan11 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
266	Fan12 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)

267	Fan13 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
268	Fan14 Stop Precaution(Param)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
271	IMB:SD Tamper Terminate(Param1)	Param1: Executor to terminate service door tamper event on IMB/IMS.
500	IMB Comm Fail (Param1Param2Param3:Param4)	Param1: IMB/IMS command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout
700	OPT Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: OPT CPU command parameters(6-digits numbers) when getting error.
701	OPT Status Fail(Param1,Param2)	Param1: Expected status Param2: Current status
703	OPT Comm Ack Fail(Param1:Param2)	Param1: Error kind 1: Parameer error 2: Command execution error 3: Can not accept command 4: Unknown command Param2: OPT-CPU execution command(6-digits numbers) when getting error.
750	OverTemp.DMD Precaution(Param1)	Param1: Temperature(in degC)
751	OverTemp.Inlet Precaution(Param1)	Param1: Temperature(in degC)
760	OverTemp.DMD(Param1)	Param1: Temperature(in degC)
761	OverTemp.Inlet(Param1)	Param1: Temperature(in degC)

800	Fan15 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
801	Fan16 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
802	Pump Stop(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. Pump Stop(Rotate Error,3000)
804	PhosphorWheel Stop(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. PhosphorWheel Stop(Rotate Error,3000)
805	Diffuser1 Wheel Stop(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. Diffuser1 Wheel Stop(Rotate Error,3000)
806	Fan17 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
810	Fan15 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)

811	Fan16 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
812	Pump Stop Precaution(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. Pump Stop Precaution Precaution(Rotate Error,3000)
814	PhosphorWheel Stop Precaution(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. PhosphorWheel Stop Precaution(Rotate Error,3000)
815	Diffuser1 Wheel Stop Precaution(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. Diffuser1 Wheel Stop(Rotate Error,3000)
816	Fan17 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop Precaution(Driver Error,80%,4000/5000)
953	OverTemp.PhosphorWheel Precaution(Param1)	Param1: Temperature(in degC)
973	OverTemp.PhosphorWheel(Param1)	Param1: Temperature(in degC)
1000	Slave Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: Slave CPU command parameters(6-digits numbers) when getting error.
1003	Slave Ack Fail(Param1:Param2)	Param1: Error kind 10: Parameer error 20: Command execution error 30: Unknown command Param2: Slave CPU execution command(6-digits numbers) when getting error.

1005	Slave No Notify(Param1)[(Param2)]	(Param1)[(Param2)] (on): No notify from SlaveCPU at power-on/light-on (off): No notify from SlaveCPU at power-off/light-on (on)(xx): No notify from SlaveCPU at power-on /light-on with another error (off)(xx): No notify from SlaveCPU at power-off /light-off with another error *xx is engineer information
2000	IntegrityFail(Param1)	Param1: FIFS error information(Security information)
2100	Diffuser2 Wheel Stop(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. Diffuser2 Wheel(Rotate Error,3000)
2101	Diffuser2 Wheel Stop Precaution(Param1)	Param1: "Event, Current speed" Event: "Rotate Error" e.g. Diffuser2 Wheel Stop(Rotate Error,3000)
2110	OverTemp.LS_G1 Precaution(Param1)	Param1: Temperature(in degC)
2111	OverTemp.LS_G2 Precaution(Param1)	Param1: Temperature(in degC)
2112	OverTemp.LS_G3 Precaution(Param1)	Param1: Temperature(in degC)
2113	OverTemp.LS_G4 Precaution(Param1)	Param1: Temperature(in degC)
2114	OverTemp.LS_B Precaution(Param1)	Param1: Temperature(in degC)
2115	OverTemp.LS_R Precaution(Param1)	Param1: Temperature(in degC)
2120	OverTemp.LS_G1(Param1)	Param1: Temperature(in degC)
2121	OverTemp.LS_G2(Param1)	Param1: Temperature(in degC)
2122	OverTemp.LS_G3(Param1)	Param1: Temperature(in degC)
2123	OverTemp.LS_G4(Param1)	Param1: Temperature(in degC)
2124	OverTemp.LS_B(Param1)	Param1: Temperature(in degC)
2125	OverTemp.LS_R(Param1)	Param1: Temperature(in degC)
2150	Coolant Temp. out of range(Param1,Param2)	Param1: Current chiller temperature(in degC) Param2: Target chiller temperature(in degC)

A-8 : NC3541L/NC2041L

Error code	Error message	Description
12	EEPROM R Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error CRC: Verification error
15	EEPROM W Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error Vfy: Verification error

120	DLP Ack Fail(Param1)	Param1: ICP command parameters(4-digits numbers) when gettng error
121	Lens Fail(Param1)(Param2, Param3)	Param1: Detailed error information EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Command Send Fail Command Recv Fail Command Timeout Param2/3: Lens control parameters when getting error.
125	LPS Fail(Param1[V])	Param1: AC-IN voltage to LPS
136	FMT FPGA System Fail(Param1)	Param1: FMT FPGA power up result Param1 is either "xx >> yy" or "xx << yy". xx: Root File System1(RFS1) started result yy: Root File System2(RFS2) started result "xx >> yy": Started RFS1 with any error, then started RFS2. "xx << yy": Started RFS2 with any error, then started RFS1. xx and yy shows RFS started status: "noready": Not ready "noconnt": tcp connection error "nologin" : login error "notlatest" : started with old version "noboot" : Not started "ok" : No error
137	LoginMgr Comm Fail(Param1:Param2)	Param1: LoginMgr command parameters when getting error. Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout
138	LoginMgr Boot Fail(Param1)	Param1: Fatal error information(Engineer information)
141	DLP CommE Fail (Param1:Param2)[(LoginMgr:)]	Param1: ICP command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout If (LoginMgr:) is recorded, 141 error is caused by communication issue with LoginMgr.
166	GPI Control(Param1) Invalid	Param1: GPI control execution event "Mute On" "Mute Off" "Light On" "Light Off" "Power On" "Power Off" "Preset button n" n=1 .. 20
177	Tamper Fail(Param1)	Param1: Service door tamper switch location (Secured information)
178	Marriage Tamper Fail(Param1)	Param1: Marriage tamper switch location (Secured information)

230	Router Fail(Param1)	Param1: Error kind "Connect": Connection error "Tx": Sending error "Rx": Recieve error "Tout": Timeout for recieving "Msg Format": Recieving data is unknown format. "Verify": Verification error in configuration
271	IMB:SD Tamper Terminate(Param1)	Param1: Executor to terminate service door tamper event on IMB/IMS.
500	IMB Comm Fail (Param1:Param2)	Param1: IMB/IMS command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout
1000	Slave Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: Slave CPU command parameters(6-digits numbers) when getting error.
1003	Slave Ack Fail(Param1:Param2)	Param1: Error kind 10: Parameer error 20: Command execution error 30: Unknown command Param2: Slave CPU execution command(6-digits numbers) when getting error.
1005	Slave No Notify(Param1)[(Param2)]	(Param1)[(Param2)] (on): No notify from SlaveCPU at power-on/light-on (off): No notify from SlaveCPU at power-off/light-on (on)(xx): No notify from SlaveCPU at power-on /light-on with another error (off)(xx): No notify from SlaveCPU at power-off /light-off with another error *xx is engineer information
1008	LU2:LD Data Comp.Fail(Param1)	Param1: Error kind 1: Need LD Data copy *Select properly source&destination 5: SSL-LD Data is OK, and LU2-LD Data is NG 6: SSL-LD Data is NG, and LU2 EEPROM error 7: Both SSL and LU2 EEPROMs are error
1009	LU2:LD Data Warning(Param1)	Param1: Error kind 2: Both SSL-LD Data and LU2-LD Data are NG
1010	LU1:LD Data Comp.Fail(Param1)	Param1: Error kind 1: Need LD Data copy *Select properly source&destination 5: SSL-LD Data is OK, and LU1-LD Data is NG 6: SSL-LD Data is NG, and LU1 EEPROM error 7: Both SSL and LU1 EEPROMs are error
1011	LU1:LD Data Warning(Param1)	Param1: Error kind 2: Both SSL-LD Data and LU1-LD Data are NG
1050	SSL Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: SSL CPU command parameters(6-digits numbers) when getting error.

1053	SSL Ack Fail(Param1:Param2)	Param1: Error kind 10: Parameer error 20: Command execution error 30: Unknown command Param2: SSL CPU execution command(6-digits numbers) when getting error.
1055	SSL No Notify(Param1)	(Param1)[(Param2)] (on): No notify from SSLCPU at power-on/light-on (off): No notify from SLSCPU at power-off/light-on (on)(xx): No notify from SSLCPU at power-on /light-on with another error (off)(xx): No notify from SSLCPU at power-off /light-off with another error *xx is engineer information
1111	Filter-Front Cleaning Time(Param1)	Param1: Usage time from last cleaning
1112	Filter-Side Cleaning Time(Param1)	Param1: Usage time from last cleaning
1113	Filter-Top(L) Cleaning Time(Param1)	Param1: Usage time from last cleaning
1114	Filter-Top(R) Cleaning Time(Param1)	Param1: Usage time from last cleaning
1200	Fan-LD-L1 Stop(Param1)	Param1: Fan speed(in rpm)
1201	Fan-LD-L2 Stop(Param1)	Param1: Fan speed(in rpm)
1202	Fan-LD-L3 Stop(Param1)	Param1: Fan speed(in rpm)
1203	Fan-LD-L4 Stop(Param1)	Param1: Fan speed(in rpm)
1204	Fan-LD-L5 Stop(Param1)	Param1: Fan speed(in rpm)
1205	Fan-LD-L6 Stop(Param1)	Param1: Fan speed(in rpm)
1206	Fan-LD-R1 Stop(Param1)	Param1: Fan speed(in rpm)
1207	Fan-LD-R2 Stop(Param1)	Param1: Fan speed(in rpm)
1208	Fan-LD-R3 Stop(Param1)	Param1: Fan speed(in rpm)
1209	Fan-LD-R4 Stop(Param1)	Param1: Fan speed(in rpm)
1210	Fan-LD-R5 Stop(Param1)	Param1: Fan speed(in rpm)
1211	Fan-LD-R6 Stop(Param1)	Param1: Fan speed(in rpm)
1212	Fan-HRU(LS)L Stop(Param1)	Param1: Fan speed(in rpm)
1213	Fan-HRU(LS)R Stop(Param1)	Param1: Fan speed(in rpm)
1214	Fan-LS-L1 Stop(Param1)	Param1: Fan speed(in rpm)
1215	Fan-LS-L2 Stop(Param1)	Param1: Fan speed(in rpm)
1216	Fan-LS-L3 Stop(Param1)	Param1: Fan speed(in rpm)
1217	Fan-LS-R1 Stop(Param1)	Param1: Fan speed(in rpm)
1218	Fan-LS-R2 Stop(Param1)	Param1: Fan speed(in rpm)
1219	Fan-LS-R3 Stop(Param1)	Param1: Fan speed(in rpm)
1220	Fan-EX-R1 Stop(Param1)	Param1: Fan speed(in rpm)
1221	Fan-EX-R2 Stop(Param1)	Param1: Fan speed(in rpm)
1222	Fan-EX-R3 Stop(Param1)	Param1: Fan speed(in rpm)
1223	Fan-EX-R4 Stop(Param1)	Param1: Fan speed(in rpm)
1224	Fan-EX-L1 Stop(Param1)	Param1: Fan speed(in rpm)
1225	Fan-EX-L2 Stop(Param1)	Param1: Fan speed(in rpm)
1226	Fan-EX-L3 Stop(Param1)	Param1: Fan speed(in rpm)
1229	Fan-EX1 Stop(Param1)	Param1: Fan speed(in rpm)
1230	Fan-EX2 Stop(Param1)	Param1: Fan speed(in rpm)
1231	Fan-EX3 Stop(Param1)	Param1: Fan speed(in rpm)
1232	Fan-EX4 Stop(Param1)	Param1: Fan speed(in rpm)

1233	Fan-EX5 Stop(Param1)	Param1: Fan speed(in rpm)
1234	Fan-EX6 Stop(Param1)	Param1: Fan speed(in rpm)
1235	Fan-EX7 Stop(Param1)	Param1: Fan speed(in rpm)
1236	Fan-EX8 Stop(Param1)	Param1: Fan speed(in rpm)
1237	Fan-EX9 Stop(Param1)	Param1: Fan speed(in rpm)
1238	Fan-EX10 Stop(Param1)	Param1: Fan speed(in rpm)
1239	Fan-EX11 Stop(Param1)	Param1: Fan speed(in rpm)
1240	Fan-ELE1 Stop(Param1)	Param1: Fan speed(in rpm)
1241	Fan-ELE2 Stop(Param1)	Param1: Fan speed(in rpm)
1242	Fan-ELE3 Stop(Param1)	Param1: Fan speed(in rpm)
1243	Fan-ELE4 Stop(Param1)	Param1: Fan speed(in rpm)
1244	Fan-PS1 Stop(Param1)	Param1: Fan speed(in rpm)
1245	Fan-PS2 Stop(Param1)	Param1: Fan speed(in rpm)
1246	Fan-PS3 Stop(Param1)	Param1: Fan speed(in rpm)
1247	Fan-PS4 Stop(Param1)	Param1: Fan speed(in rpm)
1248	Fan-PS5 Stop(Param1)	Param1: Fan speed(in rpm)
1249	Fan-PS6 Stop(Param1)	Param1: Fan speed(in rpm)
1250	Phosphor Wheel1 Stop(Param1)	Param1: Motor speed(in rpm)
1251	Diffuser Motor1 Stop(Param1)	Param1: Motor speed(in rpm)
1252	Phosphor Wheel2 Stop(Param1)	Param1: Motor speed(in rpm)
1253	Diffuser Motor2 Stop(Param1)	Param1: Motor speed(in rpm)
1275	Fan-PRISM Stop(Param1)	Param1: Fan speed(in rpm)
1276	Fan-DMD1 Stop(Param1)	Param1: Fan speed(in rpm)
1277	Fan-DMD2 Stop(Param1)	Param1: Fan speed(in rpm)
1278	Fan-DMD3 Stop(Param1)	Param1: Fan speed(in rpm)
1279	Fan-HRU(PRISM)1 Stop(Param1)	Param1: Fan speed(in rpm)
1280	Fan-HRU(PRISM)2 Stop(Param1)	Param1: Fan speed(in rpm)
1302	OverTemp.LD1-R1(Param1)	Param1: Temperature(in degC)
1303	OverTemp.LD1-R2(Param1)	Param1: Temperature(in degC)
1304	OverTemp.LD1-R3(Param1)	Param1: Temperature(in degC)
1305	OverTemp.LD1-R4(Param1)	Param1: Temperature(in degC)
1306	OverTemp.LD1-B(Param1)	Param1: Temperature(in degC)
1307	OverTemp.LD1-EX1(Param1)	Param1: Temperature(in degC)
1308	OverTemp.LD1-EX2(Param1)	Param1: Temperature(in degC)
1309	OverTemp.LD1-EX3(Param1)	Param1: Temperature(in degC)
1310	OverTemp.LD1-EX4(Param1)	Param1: Temperature(in degC)
1311	OverTemp.LD2-R1(Param1)	Param1: Temperature(in degC)
1312	OverTemp.LD2-R2(Param1)	Param1: Temperature(in degC)
1313	OverTemp.LD2-R3(Param1)	Param1: Temperature(in degC)
1314	OverTemp.LD2-R4(Param1)	Param1: Temperature(in degC)
1315	OverTemp.LD2-B(Param1)	Param1: Temperature(in degC)
1316	OverTemp.LD2-EX1(Param1)	Param1: Temperature(in degC)
1317	OverTemp.LD2-EX2(Param1)	Param1: Temperature(in degC)
1318	OverTemp.LD2-EX3(Param1)	Param1: Temperature(in degC)
1319	OverTemp.LD2-EX4(Param1)	Param1: Temperature(in degC)
1320	OverTemp.HS-PW1(Param1)	Param1: Temperature(in degC)
1321	OverTemp.HS-LD1(Param1)	Param1: Temperature(in degC)

1322	OverTemp.HS-PW2(Param1)	Param1: Temperature(in degC)
1323	OverTemp.HS-LD2(Param1)	Param1: Temperature(in degC)
1324	OverTemp.LD1-PHOTOSENS(Param1)	Param1: Temperature(in degC)
1327	OverTemp.LD2-PHOTOSENS(Param1)	Param1: Temperature(in degC)
1331	OverTemp.DMD-INNER(Param1)	Param1: Temperature(in degC)
1332	OverTemp.CIRCULATE(Param1)	Param1: Temperature(in degC)
1402	OverTemp.LD1-R1 Precaution(Param1)	Param1: Temperature(in degC)
1403	OverTemp.LD1-R2 Precaution(Param1)	Param1: Temperature(in degC)
1404	OverTemp.LD1-R3 Precaution(Param1)	Param1: Temperature(in degC)
1405	OverTemp.LD1-R4 Precaution(Param1)	Param1: Temperature(in degC)
1406	OverTemp.LD1-B Precaution(Param1)	Param1: Temperature(in degC)
1407	OverTemp.LD1-EX1 Precaution(Param1)	Param1: Temperature(in degC)
1408	OverTemp.LD1-EX2 Precaution(Param1)	Param1: Temperature(in degC)
1409	OverTemp.LD1-EX3 Precaution(Param1)	Param1: Temperature(in degC)
1410	OverTemp.LD1-EX4 Precaution(Param1)	Param1: Temperature(in degC)
1411	OverTemp.LD2-R1 Precaution(Param1)	Param1: Temperature(in degC)
1412	OverTemp.LD2-R2 Precaution(Param1)	Param1: Temperature(in degC)
1413	OverTemp.LD2-R3 Precaution(Param1)	Param1: Temperature(in degC)
1414	OverTemp.LD2-R4 Precaution(Param1)	Param1: Temperature(in degC)
1415	OverTemp.LD2-B Precaution(Param1)	Param1: Temperature(in degC)
1416	OverTemp.LD2-EX1 Precaution(Param1)	Param1: Temperature(in degC)
1417	OverTemp.LD2-EX2 Precaution(Param1)	Param1: Temperature(in degC)
1418	OverTemp.LD2-EX3 Precaution(Param1)	Param1: Temperature(in degC)
1419	OverTemp.LD2-EX4 Precaution(Param1)	Param1: Temperature(in degC)
1420	OverTemp.HS-PW1 Precaution(Param1)	Param1: Temperature(in degC)
1421	OverTemp.HS-LD1 Precaution(Param1)	Param1: Temperature(in degC)
1422	OverTemp.HS-PW2 Precaution(Param1)	Param1: Temperature(in degC)
1423	OverTemp.HS-LD2 Precaution(Param1)	Param1: Temperature(in degC)
1424	OverTemp.LD1-PHOTOSENS Precaution (Param1)	Param1: Temperature(in degC)
1427	OverTemp.LD2-PHOTOSENS Precaution (Param1)	Param1: Temperature(in degC)
1431	OverTemp.DMD-INNER Precaution (Param1)	Param1: Temperature(in degC)
1432	OverTemp.CIRCULATE Precaution (Param1)	Param1: Temperature(in degC)
1600	Fan-LD-L1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1601	Fan-LD-L2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1602	Fan-LD-L3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1603	Fan-LD-L4 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1604	Fan-LD-L5 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1605	Fan-LD-L6 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1606	Fan-LD-R1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1607	Fan-LD-R2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1608	Fan-LD-R3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1609	Fan-LD-R4 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1610	Fan-LD-R5 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1611	Fan-LD-R6 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1612	Fan-HRU(LS)L Stop Precaution(Param1)	Param1: Fan speed(in rpm)

1613	Fan-HRU(LS)R Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1614	Fan-LS-L1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1615	Fan-LS-L2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1616	Fan-LS-L3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1617	Fan-LS-R1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1618	Fan-LS-R2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1619	Fan-LS-R3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1620	Fan-EX-R1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1621	Fan-EX-R2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1622	Fan-EX-R3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1623	Fan-EX-R4 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1624	Fan-EX-L1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1625	Fan-EX-L2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1626	Fan-EX-L3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1629	Fan-EX1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1630	Fan-EX2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1631	Fan-EX3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1632	Fan-EX4 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1633	Fan-EX5 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1634	Fan-EX6 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1635	Fan-EX7 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1636	Fan-EX8 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1637	Fan-EX9 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1638	Fan-EX10 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1639	Fan-EX11 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1640	Fan-ELE1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1641	Fan-ELE2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1642	Fan-ELE3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1643	Fan-ELE4 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1644	Fan-PS1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1645	Fan-PS2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1646	Fan-PS3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1647	Fan-PS4 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1648	Fan-PS5 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1649	Fan-PS6 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1650	Phosphor Wheel1 Stop Precaution(Param1)	Param1: Motor speed(in rpm)
1651	Diffuser Motor1 Stop Precaution(Param1)	Param1: Motor speed(in rpm)
1652	Phosphor Wheel2 Stop Precaution(Param1)	Param1: Motor speed(in rpm)
1653	Diffuser Motor2 Stop Precaution(Param1)	Param1: Motor speed(in rpm)
1675	Fan-PRISM Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1676	Fan-DMD1 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1677	Fan-DMD2 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1678	Fan-DMD3 Stop Precaution(Param1)	Param1: Fan speed(in rpm)
1679	Fan-HRU(PRISM)1 Stop Precaution (Param1)	Param1: Fan speed(in rpm)
1680	Fan-HRU(PRISM)2 Stop Precaution (Param1)	Param1: Fan speed(in rpm)
2000	IntegrityFail(Param1)	Param1: FIFS error information(Security information)

2002	LD B Stop(Param1)[,(Param2)]	Param1: LU1-LD Driver Blue-ch status Param1(6-digits number)=aabbcc aa: LD Driver1 ch1 status bb: LD Driver1 ch3 status cc: LD Driver1 ch4 status Param2: LU2-LD Driver Blue-ch status Param2(6-digits number)=aabbcc aa: LD Driver1 ch1 status bb: LD Driver1 ch3 status cc: LD Driver1 ch4 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)
2003	LD VIN Error(Param1)[,(Param2)]	Param1: LU1 LD Driver VIN error status Param1(14-digits number)=aabbccddeeffgg aa: LD Driver1-VIN status bb: LD Driver2-VIN1 status cc: LD Driver2-VIN2 status dd: LD Driver3-VIN1 status ee: LD Driver3-VIN2 status ff: LD Driver4-VIN1 status gg: LD Driver4-VIN2 status Param2: LU2 LD Driver VIN error status Param1(14-digits number)=aabbccddeeffgg aa: LD Driver1-VIN status bb: LD Driver2-VIN1 status cc: LD Driver2-VIN2 status dd: LD Driver3-VIN1 status ee: LD Driver3-VIN2 status ff: LD Driver4-VIN1 status gg: LD Driver4-VIN2 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)

2004	LD R Stop (Param1,Param2,...,Param6) [,(Param7,Param8,...,Param12)]	Param1..6: LU1-LD Driver Red ch status Param1(4-digits number)=aabb aa: LD Driver2 ch1 status bb: LD Driver2 ch3 status Param2(4-digits number)=ccdd cc: LD Driver2 ch5 status dd: LD Driver2 ch7 status Param3(4-digits number)=eeff ee: LD Driver3 ch1 status ff: LD Driver3 ch3 status Param4(4-digits number)=gghh gg: LD Driver3 ch5 status hh: LD Driver3 ch7 status Param5(4-digits number)=iijj ii: LD Driver 4 ch1 status jj: LD Driver 4 ch3 status Param6(4-digits number)=kkll kk: LD Driver4 ch5 status ll: LD Driver4 ch7 status Param7..12: LU2-LD Driver Red ch status Param7(4-digits number)=aabb aa: LD Driver2 ch1 status bb: LD Driver2 ch3 status Param8(4-digits number)=ccdd cc: LD Driver2 ch5 status dd: LD Driver2 ch7 status Param9(4-digits number)=eeff ee: LD Driver3 ch1 status ff: LD Driver3 ch3 status Param10(4-digits number)=gghh gg: LD Driver3 ch5 status hh: LD Driver3 ch7 status Param11(4-digits number)=iijj ii: LD Driver 4 ch1 status jj: LD Driver 4 ch3 status Param12(4-digits number)=kkll kk: LD Driver4 ch5 status ll: LD Driver4 ch7 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)

2005	LD G Stop (Param1,Param2,...,Param6) [,(Param7,Param8,...,Param12)]	Param1..6: LU1-LD Driver Green ch status Param1(4-digits number)=aabb aa: LD Driver2 ch2 status bb: LD Driver2 ch4 status Param2(4-digits number)=ccdd cc: LD Driver2 ch6 status dd: LD Driver2 ch8 status Param3(4-digits number)=eeff ee: LD Driver3 ch2 status ff: LD Driver3 ch4 status Param4(4-digits number)=gghh gg: LD Driver3 ch6 status hh: LD Driver3 ch8 status Param5(4-digits number)=iijj ii: LD Driver 4 ch2 status jj: LD Driver 4 ch4 status Param6(4-digits number)=kkll kk: LD Driver4 ch6 status ll: LD Driver4 ch8 status Param7..12: LU2-LD Driver Green ch status Param7(4-digits number)=aabb aa: LD Driver2 ch2 status bb: LD Driver2 ch4 status Param8(4-digits number)=ccdd cc: LD Driver2 ch6 status dd: LD Driver2 ch8 status Param9(4-digits number)=eeff ee: LD Driver3 ch2 status ff: LD Driver3 ch4 status Param10(4-digits number)=gghh gg: LD Driver3 ch6 status hh: LD Driver3 ch8 status Param11(4-digits number)=iijj ii: LD Driver 4 ch2 status jj: LD Driver 4 ch4 status Param12(4-digits number)=kkll kk: LD Driver4 ch6 status ll: LD Driver4 ch8 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)
2006	LD B Stop Precaution(LUx),(Param1)	LUx: LU1 or LU2 Param1: LUx-LD Driver Blue-ch status Param1(6-digits number)=aabbcc aa: LD Driver1 ch1 status bb: LD Driver1 ch3 status cc: LD Driver1 ch4 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)

2007	LD R Stop Precaution (LUx),(Param1,Param2,...,Param6)	LUx: LU1 or LU2 Param1..6: LUx-LD Driver Red ch status Param1(4-digits number)=aabb aa: LD Driver2 ch1 status bb: LD Driver2 ch3 status Param2(4-digits number)=ccdd cc: LD Driver2 ch5 status dd: LD Driver2 ch7 status Param3(4-digits number)=eeff ee: LD Driver3 ch1 status ff: LD Driver3 ch3 status Param4(4-digits number)=gghh gg: LD Driver3 ch5 status hh: LD Driver3 ch7 status Param5(4-digits number)=iijj ii: LD Driver 4 ch1 status jj: LD Driver 4 ch3 status Param6(4-digits number)=kkll kk: LD Driver4 ch5 status ll: LD Driver4 ch7 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)
2008	LD G Stop Precaution(LUx),(Param1)	LUx: LU1 or LU2 Param1..6: LUx-LD Driver Green ch status Param1(4-digits number)=aabb aa: LD Driver2 ch2 status bb: LD Driver2 ch4 status Param2(4-digits number)=ccdd cc: LD Driver2 ch6 status dd: LD Driver2 ch8 status Param3(4-digits number)=eeff ee: LD Driver3 ch2 status ff: LD Driver3 ch4 status Param4(4-digits number)=gghh gg: LD Driver3 ch6 status hh: LD Driver3 ch8 status Param5(4-digits number)=iijj ii: LD Driver 4 ch2 status jj: LD Driver 4 ch4 status Param6(4-digits number)=kkll kk: LD Driver4 ch6 status ll: LD Driver4 ch8 status *Detal information of the status value 01: OVP(Over Voltage Protection) 02: LVP(Low Voltage Protection) 04: OCP(Over Current Protection) 08: LCP(Low Current Protection) 10: OHP(Over Heat Protection)
2016	LPS Precaution(Param1[V])	Param1: AC-IN voltage to LPS

Error code	Error message	Description
4	GPSU Fail(Param1)	Param1: GSPU voltage (in V)
12	EEPROM R Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error CRC: Verification error
15	EEPROM W Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error Vfy: Verification error
120	DLP Ack Fail(Param1)	Param1: ICP command parameters(4-digits numbers) when gettng error
121	Lens Fail(Param1)(Param2, Param3)	Param1: Detailed error information EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Command Send Fail Command Recv Fail Command Timeout Param2/3: Lens control parameters when getting error.
138	ICP CriticalFail(Param1)	Param1: Fatal error information(Engineer information)
139	ICP PowerOn Fail(Param1)	Param1: Start up fail information 4: FMT FPGA commucation error 6: Reboot error 8: ICP process not launched 5: Ohters
141	DLP CommE Fail(Param1:Param2)	Param1: ICP command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout If (LoginMgr:) is recorded, 141 error is caused by communication issue with LoginMgr.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.
166	GPI Control(Param1) Invalid	Param1: GPI control execution event "Mute On" "Mute Off" "Light On" "Light Off" "Power On" "Power Off" "Preset button n" n=1 .. 20
177	Tamper Fail(Param1)	Param1: Service door tamper switch location (Secured information)
178	Marriage Tamper Fail(Param1)	Param1: Marriage tamper switch location (Secured information)

271	IMB:SD Tamper Terminate(Param1)	Param1: Executor to terminate service door tamper event on IMB/IMS.
333	Satellite Hardware Mismatch(Param1, Param2, Param3, Param4)	Param1: FSB type information "FSB type:(4-digits number)" *4-digits number should be "1101" Param2: DMD-R information "DMD-R:(2-digits number)" *2-digits number should be "1D" Param3: DMD-G information "DMD-G:(2-digits number)" *2-digits number should be "1D" Param4: DMD-B information "DMD-B:(2-digits number)" *2-digits number should be "1D"
372	ICP Data Path Signature Test Result Fail (Param1)	Param1: Failure channel(s) information [Red][/Green][/Blue] or Not found channel info.
500	IMB Comm Fail(Param1:Param2)	Param1: IMB/IMS command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout
700	OPT Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: OPT CPU command parameters(6-digits numbers) when getting error.
701	OPT Status Fail(Param1,Param2)	Param1: Expected status Param2: Current status
703	OPT Comm Ack Fail(Param1:Param2)	Param1: Error kind 1: Parameer error 2: Command execution error 3: Can not accept command 4: Unknown command Param2: OPT-CPU execution command(6-digits numbers) when getting error.
783	OPT-EEPROM Fail(Param1)	Param1: Failure part 1/2/3 1: EEPROM on Slave Board 2: EEPROM on Laser IF Board 3: EEPROM on LU Information Board
913	TiltDegreeOver(Param1)	Param1: Tilt degree
982	ColorSensorFail(Param1)	Param1: Failure part ("Top" / "Bottom" / "Top, Bottom")
1000	Slave Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: Slave CPU command parameters(6-digits numbers) when getting error.

1003	Slave Ack Fail(Param1:Param2)	Param1: Error kind 10: Parameer error 20: Command execution error 30: Unknown command Param2: Slave CPU execution command(6-digits numbers) when getting error.
1005	Slave No Notify(Param1)[(Param2)]	(Param1)[(Param2)] (on): No notify from SlaveCPU at power-on/light-on (off): No notify from SlaveCPU at power-off/light-on (on)(xx): No notify from SlaveCPU at power-on /light-on with another error (off)(xx): No notify from SlaveCPU at power-off /light-off with another error *xx is engineer information
1111	Filter-Side(L) Cleaning Time(Param1)	Param1: Usage time from last cleaning
1112	Filter-Side(R) Cleaning Time(Param1)	Param1: Usage time from last cleaning
1113	Filter-Top(L) Cleaning Time(Param1)	Param1: Usage time from last cleaning
1114	Filter-Top(R) Cleaning Time(Param1)	Param1: Usage time from last cleaning
1115	Filter-Top(F) Cleaning Time(Param1)	Param1: Usage time from last cleaning
1200	Fan-ENG-IN1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1201	Fan-ENG-IN2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1202	Fan-RAD(PRSM)1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1203	Fan-RAD(PRSM)2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1204	Fan-RAD(BANK)1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1205	Fan-RAD(BANK)2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1206	Fan-RAD(BANK)3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1207	Fan-RAD(BANK)4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1208	Fan-RAD(BANK)5 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1209	Fan-RAD(BANK)6 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1210	Fan-PRISM3(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1211	Fan-HX(PRISM)2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1212	Fan-OFFLIGHT(PRISM) Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1213	Fan-PRISM1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1214	Fan-PRISM2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1215	Fan-PW-OUT1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1216	Fan-PW-OUT2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1217	Fan-PW-IN1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1218	Fan-PW-IN2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1219	Fan-PW-IN3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1220	Fan-PW-IN4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1222	Fan-LD-EX2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1223	Fan-LD-MID1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1224	Fan-LD-MID2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1225	Fan-LD-IN1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1226	Fan-LD-IN2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1227	Fan-PWR Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1228	Fan-ELE1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1229	Fan-ELE2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1230	Fan-ELE3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1231	Fan-ELE4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1232	Fan-RAD(R)1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1233	Fan-RAD(R)2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1234	Fan-RAD(R)3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1235	Fan-RAD(R)4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1236	Fan-RAD(R)5 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1237	Fan-RAD(R)6 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1238	Fan-RAD(R)7 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1239	Fan-RAD(R)8 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1240	Fan-ENG-IN3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1241	Fan-ENG-IN4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1242	Fan-RAD(PRISM)3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1243	Fan-RAD(PRISM)4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1244	Fan-ELE-FR Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1250	PW1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. PWx Stop(Driver Error,80%,4000/5000)
1251	DF1 Motor Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. DFx Stop(Driver Error,80%,4000/5000)
1252	PW2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. PWx Stop(Driver Error,80%,4000/5000)
1253	DF2 Motor Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. DFx Stop(Driver Error,80%,4000/5000)

1262	Pump-PRISM Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pump-x Stop(Driver Error,80%,4000/5000)
1263	Pump-BANK-U Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pump-x Stop(Driver Error,80%,4000/5000)
1264	Pump-BANK-D Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pump-x Stop(Driver Error,80%,4000/5000)
1265	Pump-RLCS Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pump-x Stop(Driver Error,80%,4000/5000)
1300	OverTemp.INTAKE(Param1)	Param1: Temperature(in degC)
1301	OverTemp.LD1-B(Param1)	Param1: Temperature(in degC)
1302	OverTemp.LD1-Y1(Param1)	Param1: Temperature(in degC)
1303	OverTemp.LD1-Y2(Param1)	Param1: Temperature(in degC)
1304	OverTemp.LD1-Y3(Param1)	Param1: Temperature(in degC)
1305	OverTemp.LD1-Y4(Param1)	Param1: Temperature(in degC)
1306	OverTemp.LD2-B(Param1)	Param1: Temperature(in degC)
1307	OverTemp.LD2-Y1(Param1)	Param1: Temperature(in degC)
1308	OverTemp.LD2-Y2(Param1)	Param1: Temperature(in degC)
1309	OverTemp.LD2-Y3(Param1)	Param1: Temperature(in degC)
1310	OverTemp.LD2-Y4(Param1)	Param1: Temperature(in degC)
1311	OverTemp.PW1(Param1)	Param1: Temperature(in degC)
1312	OverTemp.LD1-R(Param1)	Param1: Temperature(in degC)
1313	OverTemp.LD2-R(Param1)	Param1: Temperature(in degC)
1314	OverTemp.PW2(Param1)	Param1: Temperature(in degC)
1319	OverTemp.DMD-R(Param1)	Param1: Temperature(in degC)
1320	OverTemp.DMD-G(Param1)	Param1: Temperature(in degC)
1321	OverTemp.DMD-B(Param1)	Param1: Temperature(in degC)

1322	OverTemp.FIP AIR(Param1)	Param1: Temperature(in degC)
1400	OverTemp.INTAKE Precaution(Param1)	Param1: Temperature(in degC)
1401	OverTemp.LD1-B Precaution(Param1)	Param1: Temperature(in degC)
1402	OverTemp.LD1-Y1 Precaution(Param1)	Param1: Temperature(in degC)
1403	OverTemp.LD1-Y2 Precaution(Param1)	Param1: Temperature(in degC)
1404	OverTemp.LD1-Y3 Precaution(Param1)	Param1: Temperature(in degC)
1405	OverTemp.LD1-Y4 Precaution(Param1)	Param1: Temperature(in degC)
1406	OverTemp.LD2-B Precaution(Param1)	Param1: Temperature(in degC)
1407	OverTemp.LD2-Y1 Precaution(Param1)	Param1: Temperature(in degC)
1408	OverTemp.LD2-Y2 Precaution(Param1)	Param1: Temperature(in degC)
1409	OverTemp.LD2-Y3 Precaution(Param1)	Param1: Temperature(in degC)
1410	OverTemp.LD2-Y4 Precaution(Param1)	Param1: Temperature(in degC)
1411	OverTemp.PW1 Precaution(Param1)	Param1: Temperature(in degC)
1412	OverTemp.LD1-R Precaution(Param1)	Param1: Temperature(in degC)
1413	OverTemp.LD2-R Precaution(Param1)	Param1: Temperature(in degC)
1414	OverTemp.PW2 Precaution(Param1)	Param1: Temperature(in degC)
1419	OverTemp.DMD-R Precaution(Param1)	Param1: Temperature(in degC)
1420	OverTemp.DMD-G Precaution(Param1)	Param1: Temperature(in degC)
1421	OverTemp.DMD-B Precaution(Param1)	Param1: Temperature(in degC)
1422	OverTemp.FIP AIR Precaution(Param1)	Param1: Temperature(in degC)
1600	Fan-ENG-IN1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1601	Fan-ENG-IN2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1602	Fan-RAD(PRSM)1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1603	Fan-RAD(PRSM)2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1604	Fan-RAD(BANK)1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1605	Fan-RAD(BANK)2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1606	Fan-RAD(BANK)3 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1607	Fan-RAD(BANK)4 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1608	Fan-RAD(BANK)5 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1609	Fan-RAD(BANK)6 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1610	Fan-PRISM3 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1612	Fan-OFFLIGHT(PRISM) Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1613	Fan-PRISM1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1614	Fan-PRISM2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1615	Fan-PW-OUT1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1616	Fan-PW-OUT2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1617	Fan-PW-IN1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1618	Fan-PW-IN2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1619	Fan-PW-IN3 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1620	Fan-PW-IN4 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1621	Fan-LD-EX1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1622	Fan-LD-EX2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1623	Fan-LD-MID1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1624	Fan-LD-MID2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1625	Fan-LD-IN1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1626	Fan-LD-IN2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1627	Fan-PWR Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1628	Fan-ELE1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1629	Fan-ELE2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1630	Fan-ELE3 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1631	Fan-ELE4 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1632	Fan-RAD(R)1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1633	Fan-RAD(R)2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1634	Fan-RAD(R)3 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1635	Fan-RAD(R)4 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1636	Fan-RAD(R)5 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1637	Fan-RAD(R)6 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1638	Fan-RAD(R)7 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1639	Fan-RAD(R)8 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1640	Fan-ENG-IN3 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1641	Fan-ENG-IN4 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1642	Fan-RAD(PRISM)3 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1643	Fan-RAD(PRISM)4 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1644	Fan-ELE-FR Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1650	PW1 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. PWx Precaution(Driver Error,80%,4000/5000)
1652	PW2 Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. PWx Precaution(Driver Error,80%,4000/5000)
1662	Pump-PRISM Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pumpx Precaution(Driver Error,80%,4000/5000)
1663	Pump-BANK-U Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pumpx Precaution(Driver Error,80%,4000/5000)

1664	Pump-BANK-D Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pumpx Precaution(Driver Error,80%,4000/5000)
1665	Pump-RLCS Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pumpx Precaution(Driver Error,80%,4000/5000)
2000	IntegrityFail(Param1)	Param1: FIFS error information(Security information)
2001	LD Y Stop (Param1:Param2 ,Param3:Param4, Param5:Param6, Param7:Param8, Param9:Param10, Param11:Param12)	**Plug in case 1) NP-24LU01** Param1: 1 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") Param3: 2 *Stopped Laser Module ID Param4: Cause ("Open" or "Short") Param5: 3 *Stopped Laser Module ID Param6: Cause ("Open" or "Short") Param7: 5 *Stopped Laser Module ID Param8: Cause ("Open" or "Short") Param9: 6 *Stopped Laser Module ID Param10: Cause ("Open" or "Short") Param11: 7 *Stopped Laser Module ID Param12: Cause ("Open" or "Short") **Plug in case 2) NP-20LU01** Param1: 2 *Stopped Laser Module ID Param2: Cause ("Open" or "Short")

		Param3: 3 *Stopped Laser Module ID Param4: Cause ("Open" or "Short") Param5: 4 *Stopped Laser Module ID Param6: Cause ("Open" or "Short") Param7: 5 *Stopped Laser Module ID Param8: Cause ("Open" or "Short") Param9: 6 *Stopped Laser Module ID Param10: Cause ("Open" or "Short") Param11: 7 *Stopped Laser Module ID Param12: Cause ("Open" or "Short") **Plug in case 3) NP-18LU01** Param1: 2 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") Param3: 3 *Stopped Laser Module ID Param4: Cause ("Open" or "Short") Param5: 4 *Stopped Laser Module ID Param6: Cause ("Open" or "Short") Param7: 6 *Stopped Laser Module ID Param8: Cause ("Open" or "Short") Param9: 7 *Stopped Laser Module ID Param10: Cause ("Open" or "Short") Param11: 8 *Stopped Laser Module ID Param12: Cause ("Open" or "Short")
2002	LD B Stop (Param1:Param2[,Param3:Param4])	**Plug in case 1) NP-24LU01** Param1: 8 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") **Plug in case 2) NP-20LU01** Param1: 8 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") **Plug in case 3) NP-18LU01** Param1: 1 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") Param3: 5 *Stopped Laser Module ID Param4: Cause ("Open" or "Short")

2004	LD R Stop (Param1:Param2)	**Plug in case 1) NP-24LU01** Param1: 4 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") **Plug in case 2) NP-20LU01** Param1: 1 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") **Plug in case 3) NP-18LU01** N/A
2015	Douser Open Fail(Param1)	Param1 Status:Douser Position Douser Position=Open/Close/Unknown
2017	Douser Close Fail(Param1)	Param1 Status:Douser Position Douser Position=Open/Close/Unknown
2290	LB Cable Error(Param1)	Param1: location of abnormal connection 01:CN3008 on Thermal borad 02:CN3004 on Thermal borad 04:CN3011 on Thermal borad 20:CN113 on uC board e.g. LB Cable Error(03) means CN3008 and CN3004 connection are abnormal
2301	LU Hardware Mismatch	Installed Light Unit id verification is failed.
2302	LU ColorSensor Fail(Param1)	Param1: Failure part ("Top" / "Bottom" / "Top, Bottom")
2304	OPT-EEPROM Warning(Param1)	Param1: Warning partition ID (1N/1B/2N/2B/3N/3B/4N/4B)
2305	OPT-EEPROM Comp.Fail(Param1)	Param1: Failure partition number(1..4)
2306	OPT-EEPROM Fail(Param1)	Param1: Failure partition number(1..4)
2400	LU warranty temp over(Param1)	Param1: Projector ambient temperature (in degC)
2505	EEPROM Verify Fail	Param1: Cause (FMT/KEY/OPT)

Error code	Error message	Description
4	GPSU Fail(Param1)	Param1: GSPU voltage (in V)
12	EEPROM R Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error CRC: Verification error
15	EEPROM W Fail (Param1(Param2):Param3)	Param1: EEPROM location INT: FMT PWB EXT: KEY PWB Param2: Error partiton number Param3: Error kind " ": No Error COM: Communication error Vfy: Verification error
120	DLP Ack Fail(Param1)	Param1: ICP command parameters(4-digits numbers) when gettng error
121	Lens Fail(Param1)(Param2, Param3)	Param1: Detailed error information EEPROM R/W Fail V-Sensor Read Fail H-Sensor Read Fail Command Send Fail Command Recv Fail Command Timeout Param2/3: Lens control parameters when getting error.
138	ICP CriticalFail(Param1)	Param1: Fatal error information(Engineer information)
139	ICP PowerOn Fail(Param1)	Param1: Start up fail information 4: FMT FPGA commucation error 6: Reboot error 8: ICP process not launched 5: Ohters
141	DLP CommE Fail(Param1:Param2)	Param1: ICP command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout If (LoginMgr:) is recorded, 141 error is caused by communication issue with LoginMgr.
165	GPI MACRO(n) Selection Invalid	Selection of preset button (n) through GPI is invalid because metadata is enabled. * This message would be shown on Log, not on LCD.

166	GPI Control(Param1) Invalid	Param1: GPI control execution event "Mute On" "Mute Off" "Light On" "Light Off" "Power On" "Power Off" "Preset button n" n=1 .. 20
177	Tamper Fail(Param1)	Param1: Service door tamper switch location (Secured information)
178	Marriage Tamper Fail(Param1)	Param1: Marriage tamper switch location (Secured information)
271	IMB:SD Tamper Terminate(Param1)	Param1: Executor to terminate service door tamper event on IMB/IMS.
333	Satellite Hardware Mismatch(Param1, Param2, Param3, Param4)	Param1: FSB type information "FSB type:(4-digits number)" *4-digits number should be "1101" Param2: DMD-R information "DMD-R:(2-digits number)" *2-digits number should be "1D" Param3: DMD-G information "DMD-G:(2-digits number)" *2-digits number should be "1D" Param4: DMD-B information "DMD-B:(2-digits number)" *2-digits number should be "1D"
372	ICP Data Path Signature Test Result Fail (Param1)	Param1: Failure channel(s) information [Red][/Green][/Blue] or Not found channel info.
500	IMB Comm Fail(Param1:Param2)	Param1: IMB/IMS command parameters(6-digits numbers) when gettng error Param2: Error kind Tx: Send error Rx: Recieve error Nak: Nack Tout: Command timeout
700	OPT Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: OPT CPU command parameters(6-digits numbers) when getting error.
701	OPT Status Fail(Param1,Param2)	Param1: Expected status Param2: Current status
703	OPT Comm Ack Fail(Param1:Param2)	Param1: Error kind 1: Parameer error 2: Command execution error 3: Can not accept command 4: Unknown command Param2: OPT-CPU execution command(6-digits numbers) when getting error.
783	OPT-EEPROM Fail(Param1)	Param1: Failure part 1/2/3 1: EEPROM on Slave Board 2: EEPROM on Laser IF Board 3: EEPROM on LU Information Board
913	TiltDegreeOver(Param1)	Param1: Tilt degree

982	ColorSensorFail(Param1)	Param1: Failure part ("Top" / "Bottom" / "Top, Bottom")
1000	Slave Comm Fail(Param1:Param2)	Param1: Error kind "Tx": Sending error "Rx": Recieve error "Tout1" or "Tout2": Timeout for recieving "AckD": Ack error Param2: Slave CPU command parameters(6-digits numbers) when getting error.
1003	Slave Ack Fail(Param1:Param2)	Param1: Error kind 10: Parameer error 20: Command execution error 30: Unknown command Param2: Slave CPU execution command(6-digits numbers) when getting error.
1005	Slave No Notify(Param1)[(Param2)]	(Param1)[(Param2)] (on): No notify from SlaveCPU at power-on/light-on (off): No notify from SlaveCPU at power-off/light-on (on)(xx): No notify from SlaveCPU at power-on /light-on with another error (off)(xx): No notify from SlaveCPU at power-off /light-off with another error *xx is engineer information
1111	Filter-FRONT Cleaning Time(Param1)	Param1: Usage time from last cleaning
1112	Filter-TOP Cleaning Time(Param1)	Param1: Usage time from last cleaning
1113	Filter-SIDE Cleaning Time(Param1)	Param1: Usage time from last cleaning
1200	Fan-RAD(BANK)1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1201	Fan-RAD(BANK)2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1202	Fan-RAD(BANK)3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1203	Fan-RAD(BANK)4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1204	Fan-PRISM1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1205	Fan-PRISM2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1206	Fan-PRISM3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1207	Fan-ELE1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1208	Fan-ELE2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1209	Fan-RAD(PRISM)1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1210	Fan-RAD(PRISM)2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1211	Fan-ELE3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1212	Fan-PW-OUT Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1213	Fan-PW-IN1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1214	Fan-PW-IN2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1215	Fan-ELE4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1216	Fan-ELE5 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1218	Fan-EX1 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1219	Fan-EX2 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1220	Fan-EX3 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1221	Fan-EX4 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1222	Fan-EX5 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1223	Fan-EX6 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)

1224	Fan-EX7 Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Stop(Driver Error,80%,4000/5000)
1250	PW Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. PWx Stop(Driver Error,80%,4000/5000)
1251	DF Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. DFx Stop(Driver Error,80%,4000/5000)
1262	Pump-LS Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pump-x Stop(Driver Error,80%,4000/5000)
1263	Pump-PRISM Stop(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pump-x Stop(Driver Error,80%,4000/5000)
1300	OverTemp.INTAKE(Param1)	Param1: Temperature(in degC)
1301	OverTemp.LD1-B(Param1)	Param1: Temperature(in degC)
1302	OverTemp.LD1-Y1(Param1)	Param1: Temperature(in degC)
1303	OverTemp.LD1-Y2(Param1)	Param1: Temperature(in degC)
1304	OverTemp.LD1-Y3(Param1)	Param1: Temperature(in degC)
1305	OverTemp.LD1-Y4(Param1)	Param1: Temperature(in degC)

1311	OverTemp.PW(Param1)	Param1: Temperature(in degC)
1322	OverTemp.DMD(Param1)	Param1: Temperature(in degC)
1400	OverTemp.INTAKE Precaution(Param1)	Param1: Temperature(in degC)
1401	OverTemp.LD1-B Precaution(Param1)	Param1: Temperature(in degC)
1402	OverTemp.LD1-Y1 Precaution(Param1)	Param1: Temperature(in degC)
1403	OverTemp.LD1-Y2 Precaution(Param1)	Param1: Temperature(in degC)
1404	OverTemp.LD1-Y3 Precaution(Param1)	Param1: Temperature(in degC)
1405	OverTemp.LD1-Y4 Precaution(Param1)	Param1: Temperature(in degC)
1411	OverTemp.PW Precaution(Param1)	Param1: Temperature(in degC)
1422	OverTemp.DMD Precaution(Param1)	Param1: Temperature(in degC)
1600	Fan-RAD(BANK)1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1601	Fan-RAD(BANK)2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1602	Fan-RAD(BANK)3 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1603	Fan-RAD(BANK)4 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1604	Fan-PRISM1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1605	Fan-PRISM2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1606	Fan-PRISM3 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1607	Fan-ELE1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1608	Fan-ELE2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1609	Fan-RAD(PRISM)1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1610	Fan-RAD(PRISM)2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1611	Fan-ELE3 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1612	Fan-PW-OUT Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1613	Fan-PW-IN1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1614	Fan-PW-IN2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1615	Fan-ELE4 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1616	Fan-ELE5 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1618	Fan-EX1 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1619	Fan-EX2 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1620	Fan-EX3 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1621	Fan-EX4 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1622	Fan-EX5 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1623	Fan-EX6 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)
1624	Fan-EX7 Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Fanx Precaution(Driver Error,80%,4000/5000)

1650	PW Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. PWx Precaution(Driver Error,80%,4000/5000)
1662	Pump-LS Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pumpx Precaution(Driver Error,80%,4000/5000)
1663	Pump-PRISM Stop Precaution(Param1)	Param1: "Event, Ratio, Current speed/Target speed" Event: "Rotate Error" "Driver Error" "RotateAndDriver Error" Ratio: Current speed / Target speed * 100 (%) e.g. Pumpx Precaution(Driver Error,80%,4000/5000)
2000	IntegrityFail(Param1)	Param1: FIFS error information(Security information)
2001	LD Y Stop (Param1:Param2 ,Param3:Param4, Param5:Param6)	**Plug in case 1) NC1402L** Param1: 2 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") Param3: 3 *Stopped Laser Module ID Param4: Cause ("Open" or "Short") Param5: 4 *Stopped Laser Module ID Param6: Cause ("Open" or "Short") **Plug in case 2) NC1202L** Param1: 2 *Stopped Laser Module ID Param2: Cause ("Open" or "Short") Param3: 3 *Stopped Laser Module ID Param4: Cause ("Open" or "Short") Param5: N/A Param6: N/A
2002	LD B Stop (Param1:Param2)	**Plug in case 1) NC1402L/NC1202L** Param1: 1 *Stopped Laser Module ID Param2: Cause ("Open" or "Short")

2290	LB Cable Error(Param1)	Param1: location of abnormal connection 01:CN3008 on Thermal borad 02:CN3004 on Thermal borad 04:CN3011 on Thermal borad 08:CN3003 on Thermal borad 10:CN3020 on Thermal borad 20:CN113 on uC board e.g. LB Cable Error(03) means CN3008 and CN3004 connection are abnormal
2301	LU Hardware Mismatch(Param1)	Installed Light Unit id verification is failed. Param1: Cause(1/2/3)
2304	OPT-EEPROM Warning(Param1)	Param1: Warning partition ID (1N/1B/2N/2B/3N/3B/4N/4B)
2305	OPT-EEPROM Comp.Fail(Param1)	Param1: Failure partition number(1..4)
2306	OPT-EEPROM Fail(Param1)	Param1: Failure partition number(1..4)
2400	LU warranty temp over(Param1)	Param1: Projector ambient temperature (in degC)
2505	EEPROM Verify Fail	Param1: Cause (FMT/KEY/OPT)