Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Exposure				
Gain			01 60 00	I
Gairi	01 60 01 40	Auto Low	01 00 00	
	01 60 01 80	Auto Med		
	01 60 01 C0	Auto High		
Shutter	01000100	Autoriigii	01 61 00	
Griditei	01 61 01 00	Step	010100	
	01 61 01 02	Auto		
	01 61 01 03	Off		
Speed (Shutter=step)	01010103	Oil	01 62 00	
opeca (Griditer=step)	01 62 01 00	1/30s	01 02 00	
	01 62 01 00	Flickerless		
	01 62 01 02	1/50s		
	01 62 01 03	1/60s		
	01 62 01 04	1/100s		
	01 62 01 05	1/120s		
	01 62 01 06	1/250s		
	01 62 01 07	1/500s		
	01 62 01 08	1/1000s		
	01 62 01 09	1/2000s		
	01 62 01 0A	1/3000s		
Aperture	0102010/1	170000	01 08 00	
Aportaro	01 08 01 00	Auto	010000	
	01 08 01 01	2.8		
	01 08 01 02	4		
	01 08 01 03	5.6		
	01 08 01 04	8		
	01 08 01 05	11		
	01 08 01 06	16		
Image Brightness	01000100		01 64 00	
mago Diigitatoso	01 64 01 F6	-10	01 04 00	
	01 64 01 F7	-9		
	01 64 01 F8	I-8		
	01 64 01 F9	-0  -7		
	01 64 01 FA	-6		
	01 64 01 FB	-5		
	01 64 01 FC	-4		
	01 64 01 FD	-3		
	01 64 01 FE	-2		
	01 64 01 FF	-1		
	01 64 01 00	0		
	01 64 01 01	+1		
	01 64 01 02	+2		
	01 64 01 03	+3		
	01 64 01 04	+4		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Exposure				continued
	01 64 01 05	+5		
	01 64 01 06	+6		
	01 64 01 07	l+7		
	01 64 01 08	+8		
	01 64 01 09	+9		
	01 64 01 0A	+10		
Back Light Compensation	0104010/	1110	01 6C 00	
Baok Light Compensation	01 6C 01 00	Off	01 00 00	
	01 6C 01 01	Medium		
	01 6C 01 01	High		
	101 00 01 02	l ligh		
Color				
White Balance			01 65 00	
	01 65 01 00	White Balance AUTO		
	01 65 01 02	White Balance Manual		
Perform WB				
	01 65 01 10			
R Gain (WB=Manual)			01 04 00	
,	01 04 02 d0 d1	-64+63 (0xFFC00x003F), -191+63 (0xFF410x003F)		
		d0,d1: -100+100 (0xFF9C0x0064)		
B Gain (WB=Manual)			01 05 00	
, ,	01 05 02 d0 d1	-64+63 (0xFFC00x003F), -191+63 (0xFF410x003F)		
	0.0002 00 0.	d0,d1: -100+100 (0xFF9C0x0064)		
Color Mode			01 6D 00	
	01 6D 01 00	Black/White	0.0200	
	01 6D 01 01	Presentation		
	01 6D 01 02	Natural		
	01 6D 01 02	Video Conference		
	01 6D 01 03	Manual		
Gamma Normal Mode	01 00 01 04	Ividitudi	01 68 00	
Carrina Normai Mode	01 68 01 d0	Gamma Level for Normal Mode (0x000x03)	01 08 00	
	01 68 01 00	d0: 0x000x03		
Caturation		du. 0x000x03	01 6E 00	
Saturation	04 05 04 40	00/ to 4500/ in stone of 40/ (0:00 0:00) in MANULAL	01 65 00	
	01 6E 01 d0	0% to 150% in steps of 1% (0x000x96) in MANUAL		
Dec/New/Dhie		d0: 0 %150% (0x000x96)	04.54.00	
Pos/Neg/Blue	04.54.04.00	Design On	01 54 00	
	01 54 01 00	Positiv On		
	01 54 01 01	Negativ On		
	01 54 01 02	Blue On		
Output Control				
Detail			01 53 00	
· · · · · · · · · · · · · · · · · · ·	01 53 01 00	Off		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Output Control				continued
Output Control	01 53 01 02	Medium	T	Commuce
	01 53 01 03	High		
Main Resolution	0.000.00	- ng	01 51 00	
a	01 51 04 00 00 00 00	Auto	0.0.00	
	01 51 04 00 00 3C 01	SVGA/60 (800x600)		
	01 51 04 00 00 3C 04	XGA/60 (1024x768)		
	01 51 04 00 00 3C 0A	SXGA/60 (1280x1024)		
	01 51 04 00 00 3C 0D	UXGA/60 (1600x1200)		
	01 51 04 00 00 3C 16	720p/60 (1280x720)		
	01 51 04 00 00 1E 18	1080p/30 (1920x1080)		
	01 51 04 00 00 3C 18	1080p/60		
	01 51 04 00 00 3C 1C	WUXGA/60 (1920x1200)		
	01 51 04 00 00 3C 1E	WXGA*/60 (1280x800)		
Test Resolution DVI	01010100000012	(1235,650)	01 A8 00	
Tool (Goodalo) DVI	01 A8 04 d0 d1 d2 d3	Test Resolution for 10 seconds	017.000	
	017100140414240	d0 d1 d2 d3: Resolutions (see above)		
Always VZ To ETH/USB		40 41 42 40. 1(0001410110 (000 45010)	01 0B 00	
/ ways vz 10 z 11 v cob	01 0B 01 00	Off	01 02 00	
	01 0B 01 01	On		
Pip Mode	01080101	OII	01 1F 00	
i ip wodo	01 1F 01 00	Pip	01.11.00	
	01 1F 01 01	Side By Side		
Freeze On/Off	01 11 01 01	Glad By Glad	01 56 00	
110020 011/011	01 56 01 00	Freeze Off	01 00 00	
	01 56 01 01	Freeze On		
	01 56 01 02	Freeze Toggle		
Picture in Picture	01 30 01 02	1 10020 Toggio	01 5D 00	
i lotare iii i lotare	01 5D 01 00	PiP Off	01 02 00	
	01 5D 01 00	PiP On		
	01 5D 01 01	PiP Toggle		
	01300102	I I Toggic		
Preset Control				
Recall Preset			01 40 00	
	01 40 01 00	Power On Preset		
	01 40 01 01	Preset1		
	01 40 01 02	Preset2		
	01 40 01 03	Preset3		
	01 40 01 04	Preset Default		
Preset Special Function Key		Preset 1	01 42 00	
	01 42 02 01 00	Preset	1	
	01 42 02 01 01	Pos_Neg		
	01 42 02 01 02	Pos_Blue		
	01 42 02 01 03	Black_White		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Preset Control				continued
	01 42 02 01 04	WB		
	01 42 02 01 05	Freeze		
	01 42 02 01 0D	Picture in Picture		
	01 42 02 01 12	Laser		
	01 42 02 01 13	Snapshot		
		Preset 2		
	01 42 02 02 00	Preset		
	01 42 02 02 01	Pos_Neg		
	01 42 02 02 02	Pos_Blue		
	01 42 02 02 03	Black_White		
	01 42 02 02 04	WB		
	01 42 02 02 05	Freeze		
	01 42 02 02 0D	Picture in Picture		
	01 42 02 02 12	Laser		
	01 42 02 02 13	Snapshot		
	0 0_ 00	Preset 3		
	01 42 02 03 00	Preset		
	01 42 02 03 01	Pos_Neg		
	01 42 02 03 02	Pos_Blue		
	01 42 02 03 03	Black_White		
	01 42 02 03 04	WB		
	01 42 02 03 05	Freeze		
	01 42 02 03 0D	Picture in Picture		
	01 42 02 03 12	Laser		
	01 42 02 03 13	Snapshot		
	01 42 02 00 10	Опарапос		
Power Control				
Mains-On			01 36 00	
	01 36 01 00	Mains-On Standby		
	01 36 01 01	Mains-On Power-On		
	01 36 01 02	Mains-On Toggle		
Auto-Power-Off Time			01 37 00	
	01 37 01 FF	Off		
	01 37 01 1E	30min until Auto-Power-Off		
	01 37 01 3C	1h until Auto-Power-Off		
	01 37 01 78	2h until Auto-Power-Off		
	01 37 01 B4	3h until Auto-Power-Off		
	01 37 01 F0	4h until Auto-Power-Off		
Display Logo			01 35 00	
. , ,	01 35 01 00	Display Logo Off		
	01 35 01 01	Display Logo On		
	01 35 01 02	Display Logo Toggle		
Power Down Mode			01 39 00	

- Wolfvision Chibri	Offinial List			
Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Power Control				continued
	01 39 01 00	Normal		
	01 39 01 01	Deep		
	01 39 01 03	Eco		
PowerOn Preset			01 34 00	
	01 34 01 00	PowerOn Preset Off		
	01 34 01 01	PowerOn Preset On		
	01 34 01 03	PowerOn Preset Default		
Store Preset			01 41 00	
	01 41 01 00	Power On Preset		
	01 41 01 01	Preset1	1	
	01 41 01 02	Preset2		
	01 41 01 03	Preset3		
Power On/Off	0 0. 00		01 30 00	
	01 30 01 00	Power Off		
	01 30 01 01	Power On (PowerOn Preset)		
	01 30 01 02	Power Toggle		
Misc. Command Digital Zoom			01 29 00	
	01 29 01 00	Digital Zoom Off		
	01 29 01 01	Digital Zoom 2x		
	01 29 01 02	Digital Zoom 4x		
Digital Zoom Warning			01 2A 00	
	01 2A 01 00	Digital Zoom Warning Stop		
	01 2A 01 01	Digital Zoom Warning Message		
	01 2A 01 02	Digital Zoom Warning None		
IR Code			01 81 00	
	01 81 01 1C	Code A		
	01 81 01 1D	Code B		
	01 81 01 1E	Code C		
	01 81 01 1F	Code D		
	01 81 01 96	Code 1		
	01 81 01 98	Code 2		
	01 81 01 99	Code 3		
	01 81 01 9A	Code 4	1	
	01 81 01 9B	Code 5	1	
	01 81 01 9C	Code 6		
	01 81 01 9D	Code 7		
	01 81 01 9E	Code 8		
	01 81 01 9F	Code 9		
Erase Memory Behaviour			01 94 00	
,	01 94 01 00	Erase Mem. Manual		
	01 94 01 01	Erase Mem. Standby		
ļ	10.010.01			Į

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Misc. Command				continued
	01 94 01 02	Erase Mem. Toggle		
Fading	0.0.0.02	Lideo Meili Toggie	01 8A 00	
	01 8A 01 00	Fading Off	0.0.00	
	01 8A 01 02	Fading Slow		
	01 8A 01 04	Fading Standard		
	01 8A 01 08	Fading Fast		
Laser Marker Portable	0.00000	r damig r dot	01 A7 00	
Laser Marker F Crtable	01 A7 01 00	Off	01717 00	
	01 A7 01 00	On		
	01 A7 01 02	Toggle		
	01 A7 01 02	Adjust		
Keylock On/Off	01 77 01 03	rajuot	01 80 00	
Reylock Off/Off	01 80 01 00	Keylock Off	01 80 00	
	01 80 01 00	Keylock On		
	01 80 01 01	Keylock Toggle		
Recall Default Settings	01 80 01 02	Reylock Toggle	01 8F 00	
Recail Delauit Settings	01 8F 01 00		01 6F 00	
Course	01 8F 01 00		04.05.00	
Source	04.05.04.00	I See	01 9E 00	
	01 9E 01 00	Live		
	01 9E 01 01	Mem		
	01 9E 01 02	USB		
	01 9E 01 05	Net		
OSD				
Language			01 CC 00	
Language	01 CC 01 00	English	01 CC 00	
	01 CC 01 00			
OSD Level	01 CC 01 01	German	01 82 00	
OSD Level	24.00.04.00	Outst	01 82 00	
	01 82 01 00	Quiet		
	01 82 01 01	Talk		
_	01 82 01 02	Verbose	0.4.00.00	
Transparency		7	01 C0 00	
	01 C0 01 00	Transparency Off		
	01 C0 01 01	Transparency On		
Animation	_		01 3D 00	
	01 3D 01 00	Animation Off		
	01 3D 01 01	Animation On		
Ethernet				
Ethernet			04.70.00	
DHCP On/Off	04.70.04.00	DLIOD - "	01 70 00	
	01 70 01 00	DHCP off		
ID A LI	01 70 01 01	DHCP on	24.74.00	
IP Address			01 71 00	

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Ethernet				continued
Lilleriller	01 71 04 d0 d1 d2 d3	IP Address in hex (0x00 to 0xFF for each octet)	_	Continue
	017104 00 01 02 03	d0 d1 d2 d3: 0x0000000000xFFFFFFF		
Subnet Mask		do d 1 d2 do. 0x000000000x11111111	01 72 00	
Japanet Macit	01 72 04 d0 d1 d2 d3	Subnet Mask in hex (0x00 to 0xFF for each octet)	011200	
	020.000.02.02	d0 d1 d2 d3: 0x000000000xFFFFFFF		
Sateway IP			01 73 00	
	01 73 04 d0 d1 d2 d3	Gateway IP Address in hex (0x00 to 0xFF for each octet)		
		d0 d1 d2 d3: 0x000000000xFFFFFFF		
Nameserver IP			01 3A 00	
	01 3A 04 d0 d1 d2 d3	Nameserver IP Address in hex (0x00 to 0xFF for each octet)		
		d0 d1 d2 d3: 0x000000000xFFFFFFF		
Network			01 5E 00	
	01 5E 0D d0 d12	For setting networksettings in one command.		
		d0: 00=DHCP Off,1=DHCP On		
		d1 d2 d3 d4: IP Address		
		d5 d6 d7 d8: Subnet Mask		
		d9 d10 d11 d12: Gateway IP		
Streaming Destination IP Address	1		01 77 00	
Destination if Address	01 77 04 d0 d1 d2 d3	Multicast IP Address in hex (0x00 to 0xFF for each octet)	0177 00	
	01 77 04 00 01 02 03	Valid range: 225.0.0.0238.255.255		
		Unicast IP Address in hex		
		Valid range: all except multicast		
		d0 d1 d2 d3: 0x00000000FFFFFFF		
Streaming Port		do d 1 d2 do. 0x0000000011111111	01 78 00	
Stroaming Fort	01 78 02 d0 d1	Port 8800 to 9000 in hex	017000	
	017002000	d0 d1: 0x22600x2328		
Streaming Mode		30 U.I. 0/1200110/12020	01 75 00	
	01 75 01 00	Off		
	01 75 01 01	Auto		
	01 75 01 02	Continuous		
Streaming Resolution			01 79 00	
	01 79 04 00 00 00 16	HD		
	01 79 04 00 00 00 20	qHD		
	01 79 04 00 00 00 21	nHD		
Streaming Framerate			01 7A 00	
-	01 7A 01 00	Low		
	01 7A 01 01	Medium		
	01 7A 01 02	High		
Streaming Format			01 4F 00	
	01 4F 01 00	MJPG		
	01 4F 01 01	RTP MJPG		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Streaming				continued
g	01 4F 01 02	RTP H264		
	0 0. 02			
FTP				
Server IP Address			01 DA 00	
Octver ii Address	01 DA 04 d0 d1 d2 d3	FTP Server IP Address in hex (0x00 to 0xFF for each octet)	01 BA 00	
	01 57 04 40 41 42 40	Valid range: 225.0.0.0238.255.255		
		Unicast IP Address in hex		
		Valid range: all except multicast		
		d0 d1 d2 d3: 0x00000000FFFFFFF		
Username			01 DB 00	
	01 DB ab d0 dn	ab: Length, max 10 Bytes		
		d0 dn: String		
Password			01 DC 00	
	01 DC ab d0 dn	ab: Length, max 10 Bytes		
		d0 dn: String		
Interval			01 DD 00	
	01 DD 01 00	Off		
	01 DD 01 01	1 min		
	01 DD 01 02	5 min		
	01 DD 01 03	10 min		
	01 DD 01 04	15 min		
	01 DD 01 05	30 min		
	01 DD 01 06	1 h		
Timestamp			01 F0 00	
	01 F0 01 00	Off		
	01 F0 01 01	On		
Transfer			09 05 00 00	
	09 05 00 01 00	Off		
	09 05 00 01 01	Delete		
	09 05 00 01 02	Keep		
Time			09 05 01 00	
	09 05 01 05 00 00 00 d0 d1	d0:		
		Bit7: dateformat present(1=present,0=n/a)		
		Bit6: dateformat (0=24h,1=12h)		
		Bit5: 0		
		Bit40: hour (017hex)		
		d1: minute		
Transfer Now			09 05 02 00	
	09 05 02 01 00			
WLAN				
Mode			01 E1 00	
	01 E1 01 00	Off		
t	1		· ·	

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
WLAN				continued
	01 E1 01 01	Infrastructure		
	01 E1 01 02	Access Point		
Channel			01 E2 00	
	01 E2 01 00	1		
	01 E2 01 01	6		
	01 E2 01 02	11		
	01 E2 01 03	36		
	01 E2 01 04	40		
	01 E2 01 05	44		
SSID Auto			01 E3 00	
	01 E3 01 00	Off		
	01 E3 01 01	On		
SSID			01 E4 00	
	01 E4 ab d0 dn	ab: Length, max 17 Bytes		
	0 ab ab a	d0 dn: String		
WLAN DHCP		ac a cg	01 E5 00	
	01 E5 01 00	DHCP off		
	01 E5 01 01	DHCP on		
	01 E5 01 02	DHCP toggle		
WLAN IP Address	01 20 01 02	21101 (099.0	01 E6 00	
7.2	01 E6 04 d0 d1 d2 d3	IP Address in hex (0x00 to 0xFF for each octet)	0. 2000	
	01 20 04 00 01 02 00	d0 d1 d2 d3: 0x000000000xFFFFFFF		
WLAN Subnet Mask		do d1 d2 do. 0x000000000x11111111	01 E7 00	
TVE II V Guerret Maeit	01 E7 04 d0 d1 d2 d3	Subnet Mask in hex (0x00 to 0xFF for each octet)	012100	
	01 27 04 00 01 02 00	d0 d1 d2 d3: 0x000000000xFFFFFFF		
WLAN Gateway IP		do d1 d2 d0. 0x00000000xx11111111	01 E8 00	
WEAR Galeway II	01 E8 04 d0 d1 d2 d3	Gateway IP Address in hex (0x00 to 0xFF for each octet)	01 20 00	
	01 20 04 00 01 02 03	d0 d1 d2 d3: 0x000000000xFFFFFFF		
WLAN Nameserver IP		do d1 d2 d3. 0x000000000x11111111	01 E9 00	
WEAR RAINCSCIVE II	01 E9 04 d0 d1 d2 d3	Nameserver IP Address in hex (0x00 to 0xFF for each octet)	01 23 00	
	01 29 04 00 01 02 03	d0 d1 d2 d3: 0x000000000xFFFFFFF		
Encryption		do d1 d2 d3. 0x000000000x11111111	01 EE 00	
Епогурноп	01 EE 01 00	Off	0. 22 00	
	01 EE 01 00	WEP	+	
	01 EE 01 02	WPA/WPA2		
Password	01 LE 01 02	VVI 7/VVI 7/2	01 ED 00	
i asswuiu	01 ED ab d0 dn	ab: Length, max 17 Bytes	01 LD 00	
	OT ED AD GO GIT	d0 dn: String		
Password Accesspoint	+	uo un. sung	01 EF 00	
assword Accesspoint	01 EF ab d0 dn	ab: Length, max 17 Bytes	OT LIT OU	
	UTER AD OU OII	d0 dn: String		
WLAN Activate		uo un. sumg	01 EA 00	
VV LAIN ACTIVATE	01 54 01 00		01 EA 00	
	01 EA 01 00			

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Security				
Ethernet Mode		(RS232 and USB only)	01 74 00	
Literilet Mode	01 74 01 00	Off	017400	
	01 74 01 00	Image Only		
	01 74 01 01	Control Only		
	01 74 01 02	Image and Control		
	01 74 01 03	FW Update Only		
	01 74 01 04	Image and FW Update		
	01 74 01 05	Control and FW Update		
		Image, Control and FW Update		
	01 74 01 07	<u>.</u>		
	01 74 01 08	Auth		
Device Info				
FW Check	1		01 0C 00	
I W CHECK	01 0C 01 00		010000	
Feature Pack Key	01000100		01 07 00	
realure Fack Ney	01 07 ab d0 dn	ab: length, max. 255 Bytes	01 07 00	
	01 07 ab do dii	d0 dn: Feature String		
Description		do dn. Feature String	04.44.00	
Description	04.44	ab legath was 055 Peter	01 1A 00	
	01 1A ab d0 dn	ab: length, max. 255 Bytes d0 dn: String		
Cimerus III data				
Firmware Update			104 DO 00	
Firmware Upload Erase Flash	04 50 04 00	Florita (v.O. FDOA NICO)	01 B0 00	
F: 11 1 1 5 1 6: 1	01 B0 01 00	Flash1 (uC,FPGA,NIOS)	04.04.00	
Firmware Upload Data Start			01 B1 00	
	01 B1 04 d0 d1 d2 d3	Length of firmware data		
		d0 d1 d2 d3: 0x000000000xFFFFFFF		
Firmware Upload Data			01 B2 00	
	05 B2 ab cd d0 dn	ab cd: Length of bytes of long data block in hex		
		USB max Length = 508 (512-4)		
		ETH max Length = 1440		
		d0 dn: Data		
	01 B2 ab d0 dn	ab: Length of bytes of long data block in hex		
		RS232 max Length = 253 (256-3)		
		d0 dn: Data		
Firmware Upload Data Stop			01 B3 00	
	01 B3 01 00			
Firmware Downgrade			01 B4 00	
<u> </u>	01 B4 01 00	Command must be issued before uploading old firmware		
Firmware Update Start		Firmware from WV Webpage	01 0E 00	
	01 0E 01 00			

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Data/Time				
Date/Time Time Source	1		01 44 00	T
Time Source	01 44 01 00		01 44 00	
	01 44 01 00	Internal External		
Timeserver IP	01 44 01 01		01 7C 00	
Timeserver ir	01 7C 04 d0 d1 d2 d3	d0 d1 d2 d3: Timeserver IP Address in hex (0x00 to 0xFF for each octet)		
		d0 d1 d2 d3: 0x000000000xFFFFFFF		
Timezone			01 7D 00	
	01 7D 01 00	Pacific/Apia		
	01 7D 01 01	Pacific/Honolulu		
	01 7D 01 02	America/Anchorage		
	01 7D 01 03	America/Los_Angeles		
	01 7D 01 04	America/Tijuana		
	01 7D 01 05	America/Phoenix		
	01 7D 01 06	America/Denver		
	01 7D 01 07	America/Mazatlan		
	01 7D 01 08	America/Chicago		
	01 7D 01 09	America/Regina		
	01 7D 01 0A	America/Mexico_City		
	01 7D 01 0B	America/Bogota		
	01 7D 01 0C	America/New_York		
	01 7D 01 0D	America/Caracas		
	01 7D 01 0E	America/Halifax		
	01 7D 01 0F	America/Santiago		
	01 7D 01 10	America/La_Paz		
	01 7D 01 11	America/St_Johns		
	01 7D 01 12	America/Sao_Paulo		
	01 7D 01 13	America/Buenos_Aires		
	01 7D 01 14	America/Montevideo		
	01 7D 01 15	Atlantic/South_Georgia		
	01 7D 01 16	Atlantic/Azores		
	01 7D 01 17	Atlantic/Cape_Verde		
	01 7D 01 18	Africa/Casablanca		
	01 7D 01 19	UTC		
	01 7D 01 1A	Europe/London		
	01 7D 01 1B	Europe/Berlin		
	01 7D 01 1C	Africa/Kinshasa		
	01 7D 01 1D	Europe/Istanbul		
	01 7D 01 1E	Africa/Cairo		
	01 7D 01 1F	Asia/Jerusalem		
	01 7D 01 20	Africa/Johannesburg		
	01 7D 01 21	Europe/Moscow		
	01 7D 01 22	Africa/Nairobi		
	01 7D 01 23	Asia/Baghdad		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Date/Time				continued
	01 7D 01 24	Asia/Tehran		
	01 7D 01 25	Asia/Muscat		
	01 7D 01 26	Asia/Baku		
	01 7D 01 27	Asia/Kabul		
	01 7D 01 28	Asia/Karachi		
	01 7D 01 29	Asia/Kolkata		
	01 7D 01 2A	Asia/Katmandu		
	01 7D 01 2B	Asia/Almaty		
	01 7D 01 2C	Asia/Dhaka		
	01 7D 01 2D	Asia/Rangoon		
	01 7D 01 2E	Asia/Bangkok		
	01 7D 01 2F	Asia/Hong_Kong		
	01 7D 01 30	Asia/Singapore		
	01 7D 01 31	Australia/Perth		
	01 7D 01 31	Asia/Taipei		
	01 7D 01 33	Asia/Tokyo		
	01 7D 01 34	Asia/Seoul		
	01 7D 01 35	Australia/Adelaide		
	01 7D 01 36	Australia/Darwin		
	01 7D 01 30	Australia/Sydney		
	01 7D 01 37	Australia/Sydney Australia/Brisbane		
	01 7D 01 38	Pacific/Noumea		
	01 7D 01 39	Pacific/Noumea Pacific/Auckland		
Data Farmat	01 7D 01 3B	Pacific/Kwajalein	04.45.00	
Date Format		DDM DO O O O O O O	01 45 00	
	01 45 01 00	DDMMYYYY/24H		
D	01 45 01 01	MMDDYYYY/12H	0.1 = 5.00	
Date/Time	- · - <b>-</b> · ·		01 7E 00	
	01 7E 05 d0 dn	d0: Year (099)(0x000x63)		
		d1: Month (112)(0x010x0C)		
		d2: Day (131)(0x010x1F)		
		d3: Hour (023)(0x000x17)		
		d4: Minute (059)(0x000x3B)		
USB Settings				
Picture Folder			01 D0 00	
i ictaro i diddi		ab: Length, max 10 Bytes	01 20 00	
	01 D0 ab d0 dn	d0 dn: String		
Picture Number	01 20 ab ao an	ao an. oang	01 D1 00	
I lotate (Mairibe)		Index for pictures: Format WV#	01 01 00	
	01 D1 04 d0 d1 d2 d3	d0 d3: Number		
	01 D1 04 00 01 02 03	d0 d1 d2 d3: 0x000000000xFFFFFFF		
Lood Sottings		uo u i uz uo. 0x000000000xFFFFFFF	01 D6 00	
Load Settings			01 D6 00	

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
USB Settings				continued
3-	01 D6 01 00	Off		
	01 D6 01 01	Auto		
	01 D6 01 02	Confirm		
Store Settings			01 D7 00	
	01 D7 01 00			
Audio				
Audio Microphone Select			09 04 01 00	
	09 04 01 01 00	Off		
A II E 11 1555	09 04 01 01 02	Line-In	00.04.04.00	
Audio Enable HDMI	100 04 04 04 02	lou.	09 04 04 00	
	09 04 04 01 00	Off		
	09 04 04 01 02	No microphone	20.04.0=00	
Audio Enable Stream		0"	09 04 05 00	
	09 04 05 01 00	Off		
	09 04 05 01 01	All sources	20.01.00.00	
Audio Enable Line-Out			09 04 06 00	
	09 04 06 01 00	Off		
	09 04 06 01 01	All sources		
	09 04 06 01 02	No microphone	20.04.0=00	
Audio Enable Recording		0"	09 04 07 00	
	09 04 07 01 00	Off		
	09 04 07 01 01	All sources	00.04.00.00	
Microphone Mute		0"	09 04 02 00	
	09 04 02 01 00	Off		
	09 04 02 01 01	On		
A !: \/ !	09 04 02 01 02	Toggle	00.04.00.00	
Audio Volume			09 04 03 00	
	09 04 03 02 d0 d1	Absolute d0,d1: 0100%		
	09 04 03 01 01	Plus		
	09 04 03 01 02	Minus		
	00 0 1 00 0 1 02	THE STATE OF THE S		
Extra Menu				
AF Mode			01 F1 00	
7 ti Wode	01 F1 01 00	Spot Autofocus	011100	
	01 F1 01 01	Multi Flied Autofocus		
Noise Suppression			01 87 00	
	01 87 01 00	Off	0.0.0	
	01 87 01 01	On		
Menu Lock			01 97 00	
	01 97 01 00	Off	0.0.00	
	01 97 01 01	On		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Extra Menu				continued
Number of IR Codes			01 18 00	
	01 18 01 00	Number of IR Codes 4	0.1000	
	01 18 01 01	Number of IR Codes 9		
Image Mirror			01 5B 00	
gc	01 5B 01 00	Off		
	01 5B 01 01	Horizontal		
	01 5B 01 02	Vertical		
	01 5B 01 03	H+V		
HDMI/VGA 5V Power Signal	0.020.00		01 96 00	
112111111 1 27 1 2 1 1 2 1 2 1 2 1 3 1 3 1 3 1 3 1 3 1	01 96 01 00	Standard	0.0000	
	01 96 01 01	On		
Video Output Range	1 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-	01 3E 00	
vidos odipat range	01 3E 01 00	Full	01.02.00	
	01 3E 01 01	Standard		
Hostname	01020101	Giandard	01 49 00	
Tiostranic	01 49 ab d0 dn	ab: Length, max 17 Bytes	01 43 00	
	01 49 ab do dii	d0 dn: String		
Factory Reset		uo un. Stillig	01 9F 00	
1 actory (teset	01 9F 01 00	Factory Reset (inc memories, xml files)	01 91 00	
Motor Control Stop all motors			01 2F 00	
	01 2F 01 00	Iris, Focus, Zoom, Mirror, Vergence		
Zoom Control				
Zoom			01 20 00	
	01 20 01 11	Start Zoom Wide		
	01 20 01 12	Start Zoom Tele		
	01 20 02 d0 d1	Set zoom position absolutely		
		d0 d1: 0x00000x0FFF (WideTele)		
	01 20 03 ab d0 d1	ab: Direction (0x01 Zoom Wide, 0x02 Zoom Tele)		
		d0, d1: Speed (0x01 0x0f, 0x00 Stop)		
		d0. d1: 0x00 0x0f		
Focus Control				
Focus			01 21 00	
	01 21 01 11	Start Focus Far		
	01 21 01 12	Start Focus Near		
	01 21 02 d0 d1	Set Focus Position Absolutely		
		d0 d1: 0x00000x0FFF (FarNear)		
	01 21 03 ab d0 d1	ab: Direction (0x01 Focus Far, 0x02 Focus Near)		
		d0, d1: Speed (0x0001 0x000F, 0x0000 Stop)		
		d0, d1: 0x0000 0x000F		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Focus Control				continued
Auto Focus			01 31 00	
7.14.0 . 004.0	01 31 01 00	AF Off	0.0.00	
	01 31 01 01	AF On		
	01 31 01 02	AF Toggle		
Iris Control				
Iris			01 22 00	
1113	01 22 01 11	Start Iris Open	01 22 00	
	01 22 01 12	Start Iris Close		
	01 22 01 12 01 22 02 d0 d1	Set Iris Position Absolutely (0x00000x0FFF)		
	01 22 02 00 01	d0 d1: 0x00000x0FFF (CloseOpen)		
	01 22 03 ab d0 d1	ab: Direction (0x01 Iris Open, 0x02 Iris Close)		
	01 22 03 ab d0 d1	d0, d1: Speed (0x0001 normal spd, 0x0002 full Spd, 0x0000 Stop)		
		d0, d1: 0x00000x0002		
		do, d1. 0x00000x0002		
Unit Menu Control				
Menu On/Off			01 98 00	
	01 98 01 00	Menu Off		
	01 98 01 03	Standard Menu On		
	01 98 01 04	Extra Menu On		
	01 98 01 05	Memory Menu On		
	01 98 01 06	USB Menu On		
Menu Control			01 99 00	
	01 99 01 02	Function Up		
	01 99 01 08	Function Down		
	01 99 01 04	Data Left		
	01 99 01 06	Data Right		
	01 99 01 05	Enter		
	01 99 01 10	Help		
	01 99 01 90	Menu Item Reset		
Video Playback	01 99 01 91	Playback Pause/Resume		
	01 99 02 ab d0	ab: Direction (0x01 Fast Forward, 0x02 Fast Backward)		
		d0: Speed (0x01 0x0f, 0x00 Stop)		
Image Storing Cmd				
Memory Off	1		01 90 00	
Moniory On	01 90 01 00		01 30 00	
Memory Recall	01 90 01 00		01 91 00	
WEITIOTY RECAIL	01 91 01 01	Recall Memory1	013100	
	01 91 01 02	Recall Memory2		
		Recall Memory3		
	01 91 01 03			<u> </u>
	01 91 01 04	Recall Memory4		<u> </u>
	01 91 01 05	Recall Memory5		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
mage Storing Cmd				continu
	01 91 01 06	Recall Memory6		
	01 91 01 07	Recall Memory7		
	01 91 01 08	Recall Memory8		
	01 91 01 09	Recall Memory9		
Memory Store			01 92 00	
	01 92 01 01	Store Memory1		
	01 92 01 02	Store Memory2		
	01 92 01 03	Store Memory3		
	01 92 01 04	Store Memory4		
	01 92 01 05	Store Memory5		
	01 92 01 06	Store Memory6		
	01 92 01 07	Store Memory7		
	01 92 01 08	Store Memory8		
	01 92 01 09	Store Memory9		
	01 92 01 10	Auto Snapshot		
	01 92 01 20	Erase Memory		
Copy to USB			01 DE 00	
	01 DE 01 00			
Snapshot			01 95 00	
•	01 95 01 00	Store Picture to Mem/USB		
Authentication			-	
_ogin			01 D4 00	
	01 D4 24 d0 dn	MD5 (SessionID, Username, Password, IP) + Username + IP		
		Strings are padded with 0's		
		MD5=16Bytes,Username=16Bytes,IP=4Bytes		
		Padding for calculateing MD5:		
		SessionID=4Bytes,Username=16Bytes,Password=10Bytes,IP=4B		
		ytes		
SIP Login				
	01 1D 01 00	Single IP Authentication Request	01 1D 01 01	Device busy
		·	01 1D 08 d0dn	Auth Request
				d0d2: Color 1 (RGB)
				d3d5: Color 2 (RGB)
				d6: Pattern (number)
				d7: Timeout (max sequence time)
	01 1D 01 01	SIP Logout	01 1D 00	
_ogout			01 D5 00	
	01 D5 01 00			
Solution Connect				
/ideo Recording			09 03 01 00	
		·		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
vSolution Connect				continued
	09 03 01 01 01	Start Recording		
	09 03 01 01 02	Pause/Resume		
vSolution Connect Streaming				
Resolution			09 03 05 00	
	09 03 05 01 01	1024x768		
	09 03 05 01 02	1280x960		
	09 03 05 01 03	1280x720		
	09 03 05 01 04	1280x800		
	09 03 05 01 05	1920x1080		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Exposure				
Gain	00 60 00			
Gain	00 00 00		00 60 01 40	Auto Low
			00 60 01 40	Auto Med
			00 60 01 C0	Auto High
Shutter	00 61 00		00 00 01 00	/ Actor riight
Griditor	00 01 00		00 61 01 00	Step
			00 61 01 02	Auto
			00 61 01 03	Off
Speed (Shutter=step)	00 62 00		00 01 01 03	Oil
operation (criation – otop)	00 02 00		00 62 01 00	1/30s
			00 62 01 01	Flickerless
			00 62 01 01	1/50s
			00 62 01 03	1/60s
			00 62 01 04	1/100s
			00 62 01 05	1/120s
			00 62 01 06	1/250s
			00 62 01 07	1/500s
			00 62 01 08	1/1000s
			00 62 01 09	1/2000s
			00 62 01 09 00 62 01 0A	1/3000s
Aperture	00 08 00		00 02 01 07	1700000
Aportaro	00 00 00		00 08 01 00	Auto
			00 08 01 01	2.8
			00 08 01 02	4
			00 08 01 03	5.6
			00 08 01 04	8
			00 08 01 05	11
			00 08 01 06	16
Image Brightness	00 64 00		00 00 01 00	
ago Brighti 1000	333133		00 64 01 F6	-10
			00 64 01 F7	-9
			00 64 01 F8	-8
			00 64 01 F9	-7
			00 64 01 FA	-6
			00 64 01 FB	-5
			00 64 01 FC	-4
			00 64 01 FD	-3
			00 64 01 FE	-2
			00 64 01 FF	-1
			00 64 01 00	0
			00 64 01 01	+1
			00 64 01 02	+2
			00 64 01 03	+3
			00 64 01 04	+4

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Exposure				continue
-			00 64 01 05	+5
			00 64 01 06	+6
			00 64 01 07	+7
			00 64 01 08	+8
			00 64 01 09	+9
			00 64 01 0A	+10
Back Light Compensation	00 6C 00			
			00 6C 01 00	Off
			00 6C 01 01	Medium
			00 6C 01 02	High
Color				
White Balance	00 65 00			
			00 65 01 00	Auto
			00 65 01 02	Manual
R Gain (WB=Manual)	00 04 00		00 00 0 . 02	
(			00 04 02 d0 d1	
			000.02000.	d0,d1: -100+100 (0xFF9C0x0064)
B Gain (WB=Manual)	00 05 00			authorities (on Foundation)
2 3 (112	00 00 00		00 05 02 d0 d1	
			00 00 02 00 01	d0,d1: -100+100 (0xFF9C0x0064)
Color Mode	00 6D 00			
	00 02 00		00 6D 01 00	Black/White
			00 6D 01 01	Presentation
			00 6D 01 02	Natural
			00 6D 01 03	Video Conference
			00 6D 01 04	Manual
Gamma Normal Mode	00 68 00		00 00 01 04	Mariadi
Camma Horman Mode	00 00 00		00 68 01 d0	d0: Gamma Curves
			00 00 01 00	d0: 0x000x03
Saturation	00 6E 00			40. 0.00.000
Cataration	00 02 00		00 6E 01 d0	d0: Saturation in percent
			00 02 01 00	d0: 0 %150% (0x000x96)
Pos/Neg/Blue	00 54 00			(0.007010070 (0.000000)
	000100		00 54 01 00	Pos
	+		00 54 01 01	Neg
	+		00 54 01 02	Blue
			100 01 01 02	
Output Control				
Detail	00 53 00			
			00 53 01 00	Off
			00 53 01 02	Medium
			00 53 01 03	High

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Output Control				continued
			00 51 04 d0 d1 d2 d3	d0: Not Used d1: Mode (00=Auto) d2: Frequency (00=N/A,Frequency in Hex, eg 3C=60Hz)
Main Resolution	00 51 00			d3: Resolution
			00 51 04 00 00 00 00	Auto
			00 51 04 00 00 3C 01	SVGA/60 (800x600)
			00 51 04 00 00 3C 04	XGA/60 (1024x768)
			00 51 04 00 00 3C 0A	SXGA/60 (1280x1024)
			00 51 04 00 00 3C 0D	UXGA/60 (1600x1200)
			00 51 04 00 00 3C 16	720p/60 (1280x720)
			00 51 04 00 00 1E 18	1080p/30 (1920x1080)
			00 51 04 00 00 3C 18	1080p/60 (1920x1080)
			00 51 04 00 00 3C 1C	WUXGA/60 (1920x1200)
			00 51 04 00 00 3C 1E	WXGA*/60 (1280x800)
Always Live To ETH/USB	00 0B 00			
,			00 0B 01 00	Off
			00 0B 01 01	On
PiP Mode	00 1F 00			
	00 11 00		00 1F 01 00	PiP
			00 1F 01 01	Side By Side
Freeze	00 56 00		00 11 01 01	clas by clas
110020	00 00 00		00 56 01 00	Off
			00 56 01 01	On
Picture in Picture	00 5D 00		00 30 01 01	
i icture iii i icture	00 3D 00		00 5D 01 00	PiP Off
			00 5D 01 00	Pip On
ResInfo DVI	00 55 00		00 30 01 01	PIP OII
Resilio DVI	00 99 00		00 55 ab d0dn	DVI Resolution String (eg 1280x960/60Hz or Resolution in AUTO)
Preset Control				,
Preset Special Function Key	00 42 01 01	Preset1		
rieset Special Function Key	00 42 01 01	FIESELI	00 42 02 01 00	Preset
			00 42 02 01 00	Pos_Neg
				Pos_Neg Pos_Blue
			00 42 02 01 02	
			00 42 02 01 03	Black_White
			00 42 02 01 04	WB
			00 42 02 01 05	Freeze
			00 42 02 01 0D	Picture in Picture
			00 42 02 01 12	Laser
			00 42 02 01 13	Snapshot
	00 42 01 02	Preset2		
			00 42 02 02 00	Preset

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Preset Control				continued
			00 42 02 02 01	Pos_Neg
			00 42 02 02 02	Pos_Blue
			00 42 02 02 03	Black_White
			00 42 02 02 04	WB
			00 42 02 02 05	Freeze
			00 42 02 02 0D	Picture in Picture
			00 42 02 02 12	Laser
			00 42 02 02 13	Snapshot
	00 42 01 03	Preset3		,
			00 42 02 03 00	Preset
			00 42 02 03 01	Pos_Neg
			00 42 02 03 02	Pos_Blue
			00 42 02 03 03	Black_White
			00 42 02 03 04	WB
			00 42 02 03 05	Freeze
			00 42 02 03 0D	Picture in Picture
			00 42 02 03 12	Laser
			00 42 02 03 13	Snapshot
List of SFK functions	00 43 00			,
			00 43 ab d0 dn	ab: Length of variable list of supported functions. d0 dn: List Preset is excluded , because always present.
				01=Pos_Neg
				02=Pos_Blue
				03=Black_White
				04=Whitebalance
				05=Freeze
				0D=Picture in Picture
				12=Laser
				13=Snapshot
Power Control	100.04.00			
Power On Preset	00 34 00			
			00 34 01 00	Off
			00 34 01 01	On
			00 34 01 03	Default
Display Logo	00 35 00			
			00 35 01 00	Off
			00 35 01 01	On
Mains-On	00 36 00			
			00 36 01 00	Standby
			00 36 01 01	Power-On

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Power Control				continued
Auto-Power-Off Time	00 37 00			
			00 37 01 FF	Off
			00 37 01 1E	30min until Auto-Power-Off
			00 37 01 3C	1h until Auto-Power-Off
			00 37 01 78	2h until Auto-Power-Off
			00 37 01 B4	3h until Auto-Power-Off
			00 37 01 F0	4h until Auto-Power-Off
Power Down Mode	00 39 00			
			00 39 01 00	Normal
			00 39 01 01	Deep
			00 39 01 03	Eco
Power	00 30 00			
			00 30 01 00	Off
			00 30 01 01	On
Supply Source	00 DF 00			
			00 DF 01 00	NA
			00 DF 01 01	Mains
			00 DF 01 02	LPS
			00 DF 01 03	POE
			00 DF 01 04	POE +
Misc. Command				
Fading	00 8A 00			
			00 8A 01 00	Off
			00 8A 01 02	Slow
			00 8A 01 04	Standard
			00 8A 01 08	Fast
IR Code	00 81 00			
			00 81 01 1C	Code A
			00 81 01 1D	Code B
			00 81 01 1E	Code C
			00 81 01 1F	Code D
			00 81 01 96	Code 1
			00 81 01 98	Code 2
			00 81 01 99	Code 3
			00 81 01 9A	Code 4
			00 81 01 9B	Code 5
			00 81 01 9C	Code 6
			00 81 01 9D	Code 7
			00 81 01 9E	Code 8
			00 81 01 9F	Code 9
Laser Marker Portable	00 A7 00			
			00 A7 01 00	Off

	Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Cost   Cost	Misc. Command				continued
Erase Memory				00 A7 01 01	On
00 94 01 00   Manually				00 A7 01 03	Adjust
Digital Zoom Mode   00 29 00   00 40 10 11   Standby	Erase Memory	00 94 00			
Digital Zeom Mode				00 94 01 00	Manually
00 29 01 00   Off     00 29 01 01   2x     00 29 01 02   4x     00 29 01 02   4x     00 29 01 02   4x     00 20 01 01   Message     00 2A 01 01   Message     00 2A 01 02   None     (20 00 00 00 00 00 00 00 00 00 00 00 00 0				00 94 01 01	Standby
00 29 01 01   2x	Digital Zoom Mode	00 29 00			
Digital Zoom Warning				00 29 01 00	
Digital Zoom Warning					
00 2A 01 00   Stop				00 29 01 02	4x
	Digital Zoom Warning	00 2A 00			
Mone   Mone					
Keylock					
OB 80 01 00				00 2A 01 02	None
On 80 01 01	Keylock	00 80 00			
Source				00 80 01 00	Off
00 9E 01 00   Live				00 80 01 01	On
00 9E 01 01   Mem     00 9E 01 02   USB     00 9E 01 05   Net	Source	00 9E 00			
00 9E 01 02					Live
OSD				00 9E 01 01	
OSD           OSD Level         00 82 00         Quiet           00 82 01 01         Talk           00 82 01 02         Verbose           Transparency         00 C0 00         Transparency Off           Animation         00 3D 00         Transparency On           Animation         00 3D 01         Animation Off           0SD Layout Supported         00 CD 00         Animation On           OSD Layout Supported         00 CD 00         Supported. If not supported, Error 2 (Invalid Cmd) is reported           OSD Layout         00 CA 00         02 01 CA ab cd ef gh d0 dn         ab cd ef gh: Length d0dn: XML File           Language         00 CC 00         English				00 9E 01 02	
OSD Level				00 9E 01 05	Net
OSD Level					
OSD Level	OSD				
00 82 01 00   Quiet	OSD Level	100.82.00			
00 82 01 01   Talk	COD ECVCI	00 02 00		00.82.01.00	Quiet
00 82 01 02   Verbose					Talk
Transparency					
00 C0 01 00   Transparency Off	Transparency	00 C0 00		00 02 01 02	VCIDOSC
On CO 01 01   Transparency On	Transparency	00 00 00		00 C0 01 00	Transparency Off
Animation 00 3D 00 00 3D 01 00 Animation Off  OSD Layout Supported 00 CD 00 00 CD 01 01 Supported.  OSD Layout 00 CA 00 02 01 CA ab cd ef gh d0 dn ab cd ef gh: Length d0dn: XML File  Language 00 CC 00 00 CC 01 00 English					
00 3D 01 00	Animation	00.3D.00		00 00 01 01	Transparency on
OSD Layout Supported	, amiduon			00 3D 01 00	Animation Off
OSD Layout Supported 00 CD 00 00 00 CD 01 01 Supported.  If not supported, Error 2 (Invalid Cmd) is reported  OSD Layout 00 CA 00 00 02 01 CA ab cd ef gh d0 dn ab cd ef gh: Length d0dn: XML File  Language 00 CC 00 00 CC 01 00 English		+		00 3D 01 01	Animation On
OSD Layout 00 CA 00  02 01 CA ab cd ef gh d0 dn ab cd ef gh: Length d0dn: XML File  Language 00 CC 00  00 CC 01 00  English	OSD Layout Supported	00 CD 00		00 00 01 01	/ williagon on
USD Layout 00 CA 00 00 00 00 00 00 00 00 00 00 00 00 00	COD Layout Supported	00 00 00		00 CD 01 01	Supported
OSD Layout         00 CA 00         02 01 CA ab cd ef gh d0 dn         ab cd ef gh: Length d0dn: XML File           Language         00 CC 00         00 CC 01 00         English					
02 01 CA ab cd ef gh d0 dn   ab cd ef gh: Length d0dn: XML File	OSD Layout	00 CA 00			in not supported, Error 2 (invalid offid) is reported
Language         00 CC 00           00 CC 01 00         English	COD Layout	00 0,100		02.01.CA ab.cd ef.db.d0.db	ah cd ef gh: Length
Language         00 CC 00           00 CC 01 00         English				02 01 OA ab cu ei gii uo uii	do do XMI File
00 CC 01 00 English	Language	00 CC 00		+	aoan. Aivil i iic
	Language	00 00 00		00 CC 01 00	English
00 CC 01 01 German					

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Ethernet				
DHCP	00 70 00			
DHCF	00 70 00		00 70 01 00	Off
			00 70 01 00	On
IP Address	00 71 00		00700101	
7.00.000	007100		00 71 04 d0 d1 d2 d3	
			00710100010200	d0 d1 d2 d3: IP Address in hex (0x00 to 0xFF for each packet)
Subnet Mask	00 72 00			
			00 72 04 d0 d1 d2 d3	
				d0 d1 d2 d3: Subnet Mask in hex (0x00 to 0xFF for each packet)
Gateway IP	00 73 00			
			00 73 04 d0 d1 d2 d3	
				d0 d1 d2 d3: Gateway IP Address in hex (0x00 to 0xFF for each
				packet)
Nameserver IP	00 3A 00			
			00 3A 04 d0 d1 d2 d3	
				d0 d1 d2 d3: Nameserver IP Address in hex (0x00 to 0xFF for each
	00.00.00			packet)
MAC	00 69 00		00.00.44.101	MAC A diluces
			00 69 11 d0 dn	MAC Address d0 dn: String
				Example: "00:0C:92:BC:61:2B"
DHCP State	00 6F 00			Example: 00.0C.92.BC.61.2B
DITOF State	00 01-00		00 6F 01 00	Off
			00 6F 01 01	Failed
			00 6F 01 02	Trying
			00 6F 01 03	Ok
			00 6F 01 04	Unknown
			100 01 01 01	
Streaming				
Multicast IP Address	00 77 00			
			00 77 04 d0 d1 d2 d3	
				d0 d1 d2 d3: Multicast IP Address in hex (0x00 to 0xFF for each
0: 5 :	100 70 00			packet)Valid range: 225.0.0.0238.255.255.255
Streaming Port	00 78 00		 	
			00 78 02 d0 d1	do da. Dest 0000 to 0000 in hear (0. 0000 o. 0000)
Ctus a series at Manda	00.75.00			d0 d1: Port 8800 to 9000 in hex (0x22600x2328)
Streaming Mode	00 75 00		00.75.04.00	0#
	<del> </del>		00 75 01 00	Off Auto
	+		00 75 01 01 00 75 01 02	
Streaming Resolution	00 79 00		00 75 01 02	Continuous
Sitearning Resolution	00 73 00		00 79 04 00 00 00 16	HD
			00 79 04 00 00 00 10	עוון

Function / Command Description	Command Packet	Comment	Reply Packet	Comment	
Streaming				continued	
			00 79 04 00 00 00 20	qHD	
			00 79 04 00 00 00 21	nHD	
Streaming Framerate	00 7A 00				
			00 7A 01 00	Low	
			00 7A 01 01	Medium	
			00 7A 01 02	High	
Streaming Format	00 4F 00				
			00 4F 01 00	MJPG	
			00 4F 01 01	RTP MJPG	
			00 4F 01 02	RTP H264	
Multicast Resolution Table	00 7B 00			Table of resolutions available for streaming	
			04 7B ab cd d0 dn	ab cd: Length, max 65535 Bytes d0 dn:n*72Byte:Name (64Bytes), Width (2Bytes), Height (2Bytes), ID (4Bytes) Example: "Name, 64 byte padded with spaces", 0x0500, 0x03C0, 0x00000001	
FTP Server IP Address	00 DA 00				
Cerver ii Address	00 BA 00		00 DA 04 d0 d1 d2 d3		
			00 2710 1 40 41 42 40	d0 d1 d2 d3: FTP Server IP Address in hex (0x00 to 0xFF for each packet)	
Username	00 DB 00				
			00 DB ab d0 dn	ab: Length, max 10 Bytes d0 dn: String	
Password	00 DC 00				
			00 DC ab d0 dn	ab: Length, max 10 Bytes d0 dn: String "*******"	
Interval	00 DD 00				
			00 DD 01 00	Off	
			00 DD 01 01	1 min	
			00 DD 01 02	5 min	
			00 DD 01 03	10 min	
			00 DD 01 04	15 min	
			00 DD 01 05	30 min	
			00 DD 01 06	1 h	
Timestamp	00 F0 00				
			00 F0 01 00	Off	
			00 F0 01 01	On	
Transfer	08 05 00 00				
			08 05 00 01 00	Off	
			08 05 00 01 01	Delete	
			08 05 00 01 02	Keep	

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
FTP				continued
Time	08 05 01 00			Continuou
			08 05 01 05 00 00 00 d0 d1	d0: Bit7: dateformat present(1=present,0=n/a) Bit6: dateformat (0=24h,1=12h) Bit5: 0 Bit40: hour (017hex) d1: minute
Transfer Now	08 05 02 00			
			08 05 02 00	Dummy
WLAN				
WLAN DHCP	00 E5 00			
WEAN BITCH	00 L3 00		00 E5 01 00	Off
			00 E5 01 01	On
WLAN IP Address	00 E6 00		00 20 01 01	
7.2	00 20 00		00 E6 04 d0 d1 d2 d3	
				d0 d1 d2 d3: IP Address in hex (0x00 to 0xFF for each packet)
WLAN Subnet Mask	00 E7 00			
			00 E7 04 d0 d1 d2 d3	
				d0 d1 d2 d3: Subnet Mask in hex (0x00 to 0xFF for each packet)
WLAN Gateway IP	00 E8 00			
			00 E8 04 d0 d1 d2 d3	
				d0 d1 d2 d3: Gateway IP Address in hex (0x00 to 0xFF for each packet)
WLAN Nameserver IP	00 E9 00			
			00 E9 04 d0 d1 d2 d3	
				d0 d1 d2 d3: Nameserver IP Address in hex (0x00 to 0xFF for each packet)
WLAN MAC	00 EB 00			
			00 EB 11 d0 dn	MAC Address d0 dn: String Example: "00:0C:92:BC:61:2B"
WLAN DHCP State	00 EC 00			·
			00 EC 01 00	Off
			00 EC 01 01	Failed
			00 EC 01 02	Trying
			00 EC 01 03	Ok
			00 EC 01 04	Unknown
Channel	00 E2 00			
			00 E2 01 00	1
			00 E2 01 01	6
			00 E2 01 02	11

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
WLAN				continued
			00 E2 01 03	36
			00 E2 01 04	40
			00 E2 01 05	44
SSID	00 E4 00			
			00 E4 ab d0 dn	ab: Length, max 25 Bytes d0 dn: String
SSID Auto	00 E3 00			
			00 E3 01 00	Off
			00 E3 01 01	On
Encryption	00 EE 00			
			00 EE 01 00	Off
			00 EE 01 01	WEP
			00 EE 01 02	WPA/WPA2
Password	00 ED 00			
			00 ED ab d0 dn	ab: Length, max 17 Bytes d0 dn: String "*******"
Password Accesspoint	00 EF 00			
·			00 ED ab d0 dn	ab: Length, max 17 Bytes d0 dn: String, Plaintext
Mode	00 E1 00			<u> </u>
			00 E1 01 00	Off
			00 E1 01 01	Infrastructure
			00 E1 01 02	Access point
Security				
Ethernet Mode	00 74 00			
			00 74 01 d0	d0: Data Bit0: IMG 0=Image Blocked,1=Image Allowed Bit1: CTRL 0=Control Blocked,1=Control Allowed Bit2: FW 0=Firmware Update Blocked,1=Firmware Upload Allowed Bit3: AUTH 0=Authentication Off,1=Authentication On
Device Info				
Model	00 11 00			
IWOUCI			00 11 ab d0 dn	ab: Length, max 255 Bytes d0 dn: String"VZ9P","VZ9P-3","VZ-C12-II","VZ-C12-3","VZ- C32","EYE-12","SCB-12","VZ-C32-3","VZ-P18","VZ-P38", "VZ3"
Model Display	00 3F 00			
			00 3F ab d0 dn	ab: Length, max 255 Bytes d0 dn: String"VZ-9plus-3"
Serialnumber	00 12 00			· ·
			00 12 04 d0 d1 d2 d3	

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Device Info				continued
				d0 d1 d2 d3: 0x000000000xFFFFFFF
Version	00 13 00			40 41 42 40. 0x00000000
	33 .3 33		00 13 ab d0 dn	ab: Length d0 dn: StringExample: "V1.10a"
Adjuster	00 14 00			5 1
			00 14 ab d0 dn	ab: Length, max 255 Bytes d0 dn: String Example: "MSc"
Production Date	00 15 00			
			00 15 02 d0 d1	d0: week d1: year
RC Features	00 16 00			
			00 16 08 d0 d1 d2 d3 d4 d5 d6 d7	8 Bytes: to specify the available functions on the remote control d0: Byte0
				Bit7:Zoom
				Bit6:Iris
				Bit4:Focus
				Bit3:AF
				Bit2:Power
				d1: Byte1
				Bit6:WB
				Bit2:Freeze
				d2: Byte2
				Bit7:Preset1
				Bit6:Preset2
				Bit5:Preset3
				Bit4:Record
				Bit3:Pause
				Bit2:Stop
				Bit1:Volume
				Bit0:Mute
				d3: Byte3
				d4: Byte4
				Bit2:Snapshot
				d5: Byte5
				Bit7:Not Used (FWUpdate)
		Picture transfer demosaicing while in dig Zoom		Bit4:StrToggle (PT_dem_dZoom)
		Picture transfer demosaicing while not in		
		Img Turn		Bit3:Help? (PT_dem_0deg)
				d6: Byte6:
				Bit7:PiP
				Bit6:VZ
				Bit5:Mem
				Bit4:USB

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Device Info				continued
				d7: Byte7:
				Bit7:Mem/USB Navigation(Pos1,End,Left,Right,Ok)
				Bit5:Str
				Bit4:Video Navigation(Pos1,End,FF,FB,Ok)
Resolution Table	00 17 00			Table of Resolutions available for single picture transfer
			04 17 ab cd d0 dn	ab cd: Length, max 65535 Bytes
				d0 dn:n*72Byte:Name (64Bytes), Width (2Bytes), Height (2Bytes),
				ID (4Bytes)
				Example: "Name, 64 byte padded with spaces", 0x0500, 0x03C0,
				0x0000001
Buildnumber	00 1C 00			
			00 1C 0E d0 dn	d0 dn: String
D : #	20.44.00			Example: "20091028140601"
Description	00 1A 00		00.44 1.10 1	
			00 1A ab d0 dn	ab: Length, max. 255 bytes
Facture Book Koy	00 07 01 00			d0 dn: String
Feature Pack Key	00 07 01 00		00 07 02 00 00	Failed
			00 07 02 00 00	Ok
	00 07 01 01		00 07 02 00 01	OK .
	00 07 01 01		00 07 ab 01 d0 dn	ab: Length, max. 255 bytes
			00 07 ab 01 do dii	d0 dn: String
	00 07 01 02			do dri. Otting
	00 07 01 02		00 07 05 02 d0 d1 d2 d3	32 bit features
Feature Pack Streaming	08 02 00 00		00 07 00 02 00 01 02 00	OL DICTORIATED
r datare r den <b>e</b> treammig	00 02 00 00		08 02 00 01 00	Disabled
			08 02 00 01 01	Enabled
Feature Pack PiP	08 02 01 00			
			08 02 01 01 00	Disabled
			08 02 01 01 01	Enabled
Feature Pack IR Remote	08 02 02 00			
			08 02 02 01 00	Disabled
			08 02 02 01 01	Enabled
Feature Pack Internal Memory	08 02 03 00			
			08 02 03 01 00	Disabled
			08 02 03 01 01	Enabled
Feature Pack USB Host	08 02 04 00			
			08 02 04 01 00	Disabled
			08 02 04 01 01	Enabled
Feature Pack Fading	08 02 05 00			
			08 02 05 01 00	Disabled
			08 02 05 01 01	Enabled
Feature Pack 60FPS	08 02 06 00			D: 11 1
			08 02 06 01 00	Disabled

Wollvision Gribh			ommand List	E i E-14 (V 1.42
Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Device Info				continued
			08 02 06 01 01	Enabled
Feature Pack WLAN	08 02 07 00			
			08 02 07 01 00	Disabled
			08 02 07 01 01	Enabled
Feature Pack vConnect	08 02 08 00			
			08 02 08 01 00	Disabled
			08 02 08 01 01	Enabled
Feature Security	08 02 09 00			
			08 02 09 01 00	Disabled
			08 02 09 01 01	Enabled
Feature Demo	08 02 0A 00			*** **
- Catare 2 amo	00 02 07 00		08 02 0A 01 00	Disabled
			08 02 0A 01 01	Enabled
			00 02 07 01 01	Enabled
Cinner III data				
Firmware Update	100.05.00			
Firmware Server Version	00 0F 00			
				ab: Length
				d0 dn: String Example: "V1.10a"
			00 0F ab d0 dn	"" in case of no connection
Firmware Update Status	00 0D 00			
			00 0D 01 00	Checking
			00 0D 01 01	No Connection
			00 0D 01 02	Out Of Date
			00 0D 01 03	Up To Date
Firmware Upload Erase Flash	00 B0 00			
			00 B0 01 d0	100% to 0% firmware to be erased.
				State of firmware erasing, counts from 100 down to 00% = Flash
				erased
				d0: 0x640x00
Date/Time				
Time Source	00 44 00			
			00 44 01 00	Internal
			00 44 01 01	External
Timeserver IP	00 7C 00			
			00 7C 04 d0 d1 d2 d3	
	+		00 10 04 00 01 02 00	Timeserver IP Address in hex (0x00 to 0xFF for each octet)
Timezone	00 7D 00			This section is read to the first section of the se
	33.2.30		00 7D 01 00	Pacific/Apia
	+		00 7D 01 00	Pacific/Honolulu
	+		00 7D 01 01	America/Anchorage
	+		00 7D 01 02 00 7D 01 03	America/Los_Angeles
			00 7D 01 03	America/Tijuana
			00 70 01 04	гановом прияна

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Date/Time				continued
			00 7D 01 05	America/Phoenix
			00 7D 01 06	America/Denver
			00 7D 01 07	America/Mazatlan
			00 7D 01 08	America/Chicago
			00 7D 01 09	America/Regina
			00 7D 01 0A	America/Mexico_City
			00 7D 01 0B	America/Bogota
			00 7D 01 0C	America/New_York
			00 7D 01 0D	America/Caracas
			00 7D 01 0E	America/Halifax
			00 7D 01 0F	America/Santiago
			00 7D 01 10	America/La_Paz
			00 7D 01 11	America/St_Johns
			00 7D 01 12	America/Sao_Paulo
			00 7D 01 13	America/Buenos_Aires
			00 7D 01 14	America/Montevideo
			00 7D 01 15	Atlantic/South_Georgia
			00 7D 01 16	Atlantic/Azores
			00 7D 01 17	Atlantic/Cape_Verde
			00 7D 01 18	Africa/Casablanca
			00 7D 01 19	UTC
			00 7D 01 1A	Europe/London
			00 7D 01 1B	Europe/Berlin
			00 7D 01 1C	Africa/Kinshasa
			00 7D 01 1D	Europe/Istanbul
			00 7D 01 1E	Africa/Cairo
			00 7D 01 1F	Asia/Jerusalem
			00 7D 01 20	Africa/Johannesburg
			00 7D 01 21	Europe/Moscow
			00 7D 01 22	Africa/Nairobi
			00 7D 01 23	Asia/Baghdad
			00 7D 01 24	Asia/Tehran
			00 7D 01 25	Asia/Muscat
			00 7D 01 26	Asia/Baku
			00 7D 01 27	Asia/Kabul
			00 7D 01 28	Asia/Karachi
			00 7D 01 29	Asia/Kolkata
			00 7D 01 2A	Asia/Katmandu
			00 7D 01 2B	Asia/Almaty
			00 7D 01 2C	Asia/Dhaka
			00 7D 01 2D	Asia/Rangoon
			00 7D 01 2E	Asia/Bangkok
			00 7D 01 2F	Asia/Hong_Kong
			00 7D 01 30	Asia/Singapore

Function / Command Description	Command Packet	Comment	Reply Packet	Comment	
Date/Time				continued	
			00 7D 01 31	Australia/Perth	
			00 7D 01 32	Asia/Taipei	
			00 7D 01 33	Asia/Tokyo	
			00 7D 01 34	Asia/Seoul	
			00 7D 01 35	Australia/Adeleide	
			00 7D 01 36	Australia/Darwin	
			00 7D 01 37	Australia/Sydney	
			00 7D 01 38	Australia/Brisbane	
			00 7D 01 39	Pacific/Noumea	
			00 7D 01 3A	Pacific/Auckland	
			00 7D 01 3B	Pacific/Kwajalein	
Date Format	00 45 00				
			00 45 01 00	DDMMYYYY/24H	
			00 45 01 01	MMDDYYYY/12H	
Date/Time	00 7E 00				
			00 7E 05 d0 dn	d0: Year (099 without century)(0x000x63) d1: Month (112)(0x010x0C) d2: Day (131)(0x011F) d3: Hour (023)(0x000x17) d4: Minute (059)(0x003B)	
USB Settings					
Picture Folder	00 D0 00				
			00 D0 ab d0 dn	ab: Length, max 10 Bytes d0 dn: String	
Picture Number	00 D1 00				
			00 D1 04 d0 d1 d2 d3		
				d0 d1 d2 d3: 0x000000000x000F423F	
Picture Format	00 D2 00				
			00 D2 01 00	Bmp	
			00 D2 01 01	Jpg	
Load Settings	00 D6 00				
			00 D6 01 00	Off	
			00 D6 01 01	Auto	
			00 D6 01 02	Confirm	
USB Stick Mounted	00 CB 00				
			00 CB 01 00	Not Mounted	
			00 CB 01 01	Mounted	
Audio					
Audio Microphone Select	08 04 01 00				
,			08 04 01 01 00	Off	
			08 04 01 01 02	Line-In	
L			1	ı	

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Audio				continued
Audio Mute	08 04 02 00			
7 tadio iviato	00 01 02 00		08 04 02 01 00	Off
			08 04 02 01 01	On
Audio Volume	08 04 03 00		00 0 1 02 0 1 0 1	<u> </u>
			08 04 03 02 d0 d1	Absolute Value
				d0,d1: 0100%
Audio Enable HDMI	08 04 04 00			
			08 04 04 01 00	Off
			08 04 04 01 01	All sources
			08 04 04 01 02	No microphone
Audio Enable Stream	08 04 05 00			
			08 04 05 01 00	Off
			08 04 05 01 01	All sources
Audio Enable Line-Out	08 04 06 00			
			08 04 06 01 00	Off
			08 04 06 01 01	All sources
			08 04 06 01 02	No microphone
Audio Enable Recording	08 04 07 00			
			08 04 07 01 00	Off
			08 04 07 01 01	All sources
Recording Time Left	08 04 08 00			
			08 04 08 02 d0 d1	Time in seconds d0,d1: 016535
Extra Menu				
Menu Lock	00 97 00			
			00 97 01 00	Off
			00 97 01 01	On
Number IR Codes	00 18 00			
			00 18 01 00	Number of IR Codes 4
			00 18 01 01	Number of IR Codes 9
Image Mirror	00 5B 00			
			00 5B 01 00	Off
			00 5B 01 01	Horizontal
			00 5B 01 02	Vertical
			00 5B 01 03	H+V
AF Mode	00 F1 00			
			00 F1 01 00	Single Field AF
			00 F1 01 01	Multi Field AF
Noise Suppression	00 87 00			
			00 87 01 00	Off
			00 87 01 01	On

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Extra Menu				continued
HDMI/VGA 5V Power Signal	00 96 00			
			00 96 01 00	Standard
			00 96 01 01	On
Video Output Range	00 3E 00			
·			00 3E 01 00	Full
			00 3E 01 01	Standard
Hostname	00 49 00			
			00 49 ab d0 dn	ab: Length, max 17 Bytes d0 dn: String
Zoom Control				
Zoom Position	00 20 00			
200m Position	00 20 00		00 20 02 d0 d1	d0 d1: Position
			00 20 02 00 01	d0 d1: 0x00000x0FFF (WideTele)
				do d 1. 0x00000x0FFF (Wide Fele)
Focus Control				
Focus Position	00 21 00			
			00 21 02 d0 d1	d0 d1: Position
				d0 d1: 0x00000x0FFF (FarNear)
AF	00 31 00			
			00 31 01 00	Off
			00 31 01 01	On
Iris Control				
Iris Position	00 22 00			
			00 22 02 d0 d1	d0 d1: Position
				d0 d1: 0x00000x0FFF (CloseOpen)
VZ Menu Control				
Menu	00 98 00			
			00 98 01 00	Off
			00 98 01 01	Standard Menu
	+		00 98 01 02	Extra Menu
	+		00 98 01 03	View Menu
Image Storing Cmd			100 30 01 00	View Mena
ShowAll				
	00 93 00		00 93 01 00	Off
			00 93 01 01	On
			00 93 01 02	ViewModeSingle (Single Picture Selected While in ViewMode)

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Picture Transfer				continued
Picture Header	00 B8 05 d0 d1 d2 d3 d4	I	00 B8 14 d0 dn	
		d0: ModeByte		
		d1,d2,d3,d4: Resolution		
Get Picture Block2 (V1: ETH				
only. V2: ETH and USB)	00 BA 16 d0 dn			
		d0: Flags (from Picture Header) d1: Mode Byte (from Picture Header) d2 d3 d4 d5: Offset from image start (V1:JPG: in bytes,BMP:in lines.V2: in bytes) d6 d7 d8 d9: Block length (in bytes) d10 d11: Width (from Picture Header) d12 d13: Height (from Picture Header) d14 d15 d16 d17: Total Size (DMA Size from Picture Header) d18 d19: Memory Page (from Picture Header) d20 d21: Out Offset (from Picture Header)	02 01 BA ab cd ef gh d0 dn	ab cd ef gh: Length d0 dn: Data
Authentication				
SessionID (ETH only)	00 D3 00			
			00 D3 04 d0 d1 d2 d3	Session ID Randomnumber
				d0 d1 d2 d3: 0x000000000xFFFFFFF
SIP Login (ETH only)	00 1D 00			
			00 1D 01 d0	d0: Status
				Bit2: SIP Access Bit1(0=Somebody has SIP,1=Nobody has SIP,2=I have SIP)
				Bit1: SIP Access Bit0
				Bit0: Logged in
Block Inquiry				
Positions	00 10 01 02			
		Byte3=Blocknumber	00 10 11 02 d0 dn	0x02: Blocknumber
				d0dn: Data, same as blk# 0C but only 17 bytes length
Positions2	00 10 01 0D			
		Byte3=Blocknumber	00 10 81 0D d0 dn	0x0D: Blocknumber
				d0dn: Data
				d0,1: Zoom Position
				d2,3: Digital Zoom Position
				d4,5: Focus Position
				d6,7: Iris Position
				d8,9: Mirror Position
				d10,11: Mirror X Position (not used)

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Block Inquiry				continued
				d12,13: Mirror Y Position (not used)
				d14,15: Light Focus Position (not used)
				d16,17: Vergence
				d18d127: Not Used
Flags and Unit Information	00 10 01 03			4.15.114.12.11.1101.0004
i iago ana o minimanon	00.100.00	Byte3=Blocknumber	00 10 18 03 d0 dn	0x03: Blocknumber
			00 10 10 00 00 011	d0dn: Data, same as blk# 0B but only 24 bytes length
Flags and Unit Information2	00 10 01 0B			actions batta, came ac and coloring by a system to a system of the syste
i iago ana om miomanonz	00 10 01 02	Byte3=Blocknumber	00 10 81 0B d0 dn	0x0B: Blocknumber
			00 10 01 02 00 011	d0dn: Data
				d0:
				Bit7: Power, 0=Off,1=On
				Bit6: Top Light, 0=Off,1=On
				Bit5: Light Box, 0=Disabled,1=Enabled
				Bit4: Slide Box, 0=Disabled,1=Enabled
				Bit3: Auto Focus, 0=Off,1=On
				Bit2: Auto Iris, 0=Off,1=On
				Bit1: Text Enhancer, 0=Off,1=On
				Bit0: Extern/Intern 1=Extern,0=Intern
				d1:
				Bit7: Freeze, 0=Off,1=On
				Bit5: Show All/View, 0=Off,1=On
				Bit4: Keylock, 0=Off,1=On
				Bit3: Lamp Blown, 0=Ok,1=Blown
				Bit2: Lamp2 Blown, 0=Ok,1=Blown
				Bit1: Lamp1 Blown, 0=Ok,1=Blown
				Bit0: OSD Menu, 0=Off,1=On
				d2:
				Bit7,6,5,4: Color Mode,
				0=Black/White,1=Presentation,2=Natural,3=Manual
				Bit3,2: Pos/Neg/Blue, 0=Positive,1=Negative,2=Blue
				Bit1,0: Image Turn, 0=Off,1=-90,2=180,3=+90
				d3:
				Bit7,6: Macro
				Bit5,4,3,2: Arm
				Bit1,0: Not Used
				d4:
				Bit7: Not Used
				Bit6: Not Used
				Bit5: Not Used
				Bit4: Not Used
				Bit3: FrameNumber Bit3 (19)
				Bit2: FrameNumber Bit2
				Bit1: FrameNumber Bit1

Function / Command Description	Command Packet	Comment	Reply Packet	Comment			
Block Inquiry continued							
Diook inquiry				Bit0: FrameNumber Bit0			
				d5: Ethernet Mode			
				d6: Resolution DVI Legacy			
				d7: Resolution RGB Legacy			
				d8,9,10,11: Serialnumber			
				d12,13,14,15,16,17,18: Version			
				d19:			
				Bit7: Memory Page Bit3 (0=Live, 19=Memory 19)			
				Bit6: Memory Page Bit2			
				Bit5: Memory Page Bit1			
				Bit4: Memory Page Bit0			
				Bit3: Memory Zoom			
				Bit2: Picture in Picture			
				Bit1: MenuMode Bit1 (00=off, 01=standard, 10=extra, 11=view)			
				Bit0: MenuMode Bit0			
				d20:			
				Bit7: State Bit1 (00=Live,01=Mem,10=USB,11=MemSinglePic)			
				Bit6: State Bit0			
				Bit5: Standby Mode (0=Normal,1=Deep)			
				Bit4: 1x1, 1=On			
				Bit3: USB or Mem, 1=On, 0=Live/Extern			
				Bit2: Slide Show			
				Bit1: Aspectratio Bit1 (00=4:3,01=16:9,10=16:10)			
				Bit0: Aspectratio Bit0 Bit0: Aspectratio Bit0			
				d21: HDTV Mask Position			
				d22: Not Used			
				d23: Status Number HB			
				d24: Status Number LB			
				d25: Bit72: Status Time			
				Bit10: Status Time Bit10: Status Level			
				d26: Status Timestamp HB			
				d27: Status Timestamp LB			
				d28d35: Status Substring (d35=0, if str > 7 d34='.')			
				d36d39: Resolution Main			
				d40d43: Resolution Aux			
				d44:			
				Bit7: Not Used			
				Bit6: Not Used			
				Bit5: Not Used			
				Bit4: Not Used			
				Bit3: Not Used			
				Bit2: Streaming Active (1=Active,0=Inactive)			
				Bit1: Streaming Off (0=Any,1=Off)			

Function / Command Description	Command Packet	Comment	Reply Packet	Comment		
Block Inquiry continued						
Block inquiry				Bit0: 2D/3D(0=2D,1=3D)		
				d45d48: Operating Hours		
				d49d52: Standby Hours		
				d53d56: Lamp1 Hours		
				d57d60: Lamp2 Hours		
				d61d64: Feature Pack Bits		
				d61:		
				Bit31: Feature Pack Valid (1=Enabled,0=Disabled)		
				Bit24 - Bit30: Not Used		
				d62:		
				Bit16 - Bit23: Not Used		
				d63:		
				Bit7: Not Used		
				Bit6: Not Used		
				Bit5: Not Used		
				Bit4: Not Used		
				Bit3: Not Used		
				Bit2: Not Used		
				Bit1: Feature Demo		
				Bit0: Feature vConnect		
				d64:		
				Bit7: Feature WLAN		
				Bit6: Feature Streaming		
				Bit5: Feature PiP		
				Bit4: Feature IR Remote		
				Bit3: Feature Internal Memory		
				Bit2: Feature USB Host		
				Bit1: Feature Fading		
				Bit0: Feature 60FPS		
				d65:		
				Bit7: Recording Bit1 (0=Idle,1=Recording,3=Pause)		
				Bit6: Recording Bit0		
				Bit5: Video Playback Bit1 (0=Idle,1=Playing,3=Pause)		
				Bit4: Video Playback Bit0		
				Bit03: Source (0=Live,1=Mem,2=USB,3=Ext,4=Ext2,5=Net)		
				d66:		
				Bit7: Not Used		
				Bit6: Not Used		
				Bit5: Not Used		
				Bit4: Not Used		
				Bit3: Not Used		
				Bit2: Not Used		
				Bit1: Not Used		
				Bit0: Mute		

Function / Command Description	Command Packet	Comment	Reply Packet	Comment
Block Inquiry				continue
• •				d67d127: Not Used
Menu Ethernet2	00 10 01 0C			
		Byte3=Blocknumber	00 10 81 0C d0 dn	0x0C: Blocknumber
				d0dn: Data
				d0:
				Bit75: Not Used
				Bit41: Ethernet Mode
				Bit0: DHCP
				d1: Not Used (Streaming Reso in Blk 0x06)
				d2:
				Bit74: Streaming Framerate
				Bit30: Streaming Mode
				d3: Not Used
				d47: IP Address
				d811: Subnet IP Address
				d1215: Gateway IP Address
				d1619: Multicast IP Address
				d20,21: Multicast Port
				d22d25: Streaming Resolution
				d26: Streaming Format
				d2730: Nameserver IP Address
vSolution Connect				
Video Recording	08 03 01 00			
video Recording	08 03 01 00		08 03 01 01 00	Rec: Stopped
			08 03 01 01 01	Rec: Recording
			08 03 01 01 02	Rec: Paused
Recording Time Left	08 03 06 00		08 03 01 01 02	Nec. i auseu
recording Time Left	08 03 00 00		08 03 06 05 00 00 00 d0 d1	d0: hours
			08 03 00 03 00 00 00 00 1	Bit7: 1Dateformat present
				Bit6: 0Always 24h format
				Bit40: Time hh
				d1: minutes
Recording Space Left	08 03 07 00			u i : i i i i i i i i i i i i i i i i i
Recording Opace Left	00 00 07 00		08 03 07 04 d0 d1 d2 d3	d0 d1 d2 d3: Available recording space (MB)
vConnect Streaming Resolution	08 03 05 00			
			08 03 05 01 01	1024x768
			08 03 05 01 02	1280x960
			08 03 05 01 03	1280x720
			08 03 05 01 04	1280x800
			08 03 05 01 05	1920x1080