

Perform command

Command name	Parameter	Format	Memo
Video Control	On	8x 01 04 00 02 FF	pqrs : 0x0000~0x7AC0
	Off	8x 01 04 00 03 FF	
Zoom Control	Stop	8x 01 04 07 00 FF	
	Tele(Standard)	8x 01 04 07 02 FF	
	Wide(Standard)	8x 01 04 07 03 FF	
	Tele(Variable)	8x 01 04 07 2p FF	
	Wide(Variable)	8x 01 04 07 3p FF	
	Direct	8x 01 04 47 0p 0q 0r 0s FF	
Digital Zoom	On	8x 01 04 06 02 FF	
	Off	8x 01 04 06 03 FF	
Focus Control	Stop	8x 01 04 08 00 FF	pqrs : 0x1000~0xD000
	Far(Standard)	8x 01 04 08 02 FF	
	Near(Standard)	8x 01 04 08 03 FF	
	Far(Variable)	8x 01 04 08 2p FF	
	Near(Variable)	8x 01 04 08 3p FF	
	Direct	8x 01 04 48 0p 0q 0r 0s FF	
	Auto Focus	8x 01 04 38 02 FF	
	Manual Focus	8x 01 04 38 03 FF	
	Auto/Manual	8x 01 04 38 10 FF	
AF Speed Control	One Push Trigger	8x 01 04 18 01 FF	
	Fast	8x 01 04 58 02 FF	
White Balance	Slow	8x 01 04 58 03 FF	
	FAW	8x 01 04 35 00 FF	
	3200K	8x 01 04 35 01 FF	
	5600K	8x 01 04 35 02 FF	
	AWB	8x 01 04 35 03 FF	
	MANUAL	8x 01 04 35 05 FF	
R Gain Control	One Push Trigger	8x 01 04 10 05 FF	
	Reset	8x 01 04 03 00 FF	
	Up	8x 01 04 03 02 FF	White balance is effective at Manual setting pq:0x00~0xFF
	Down	8x 01 04 03 03 FF	
	Direct	8x 01 04 43 00 00 0p 0q FF	
B Gain Control	Reset	8x 01 04 04 00 FF	
	Up	8x 01 04 04 02 FF	
	Down	8x 01 04 04 03 FF	
	Direct	8x 01 04 44 00 00 0p 0q FF	
Exposure Mode	Auto	8x 01 04 39 00 FF	
	Manual	8x 01 04 39 03 FF	
	Shutter Priority	8x 01 04 39 0A FF	
	Iris Priority	8x 01 04 39 0B FF	
Automatic Slow Shutter	On	8x 01 04 5A 02 FF	It is effective Exposure Modeat is setting Auto
	Off	8x 01 04 5A 03 FF	
Shutter Control	Reset	8x 01 04 0A 00 FF	
	Up	8x 01 04 0A 02 FF	
	Down	8x 01 04 0A 03 FF	
	Direct	8x 01 04 4A 00 00 0p 0q FF	
Iris Control	Reset	8x 01 04 0B 00 FF	
	Up	8x 01 04 0B 02 FF	
	Down	8x 01 04 0B 03 FF	
	Direct	8x 01 04 4B 00 00 0p 0q FF	
Gain Control	Reset	8x 01 04 0C 00 FF	
	Up	8x 01 04 0C 02 FF	
	Down	8x 01 04 0C 03 FF	
	Direct	8x 01 04 4C 00 00 0p 0q FF	
AGC Upper limit Control	Gain Limit	8x 01 04 2C 0p FF	It is effective Exposure Modeat is setting Except Manual
AE Label Control	Reset	8x 01 04 0E 00 FF	It is effective Exposure Modeat is setting Except Manual
	Up	8x 01 04 0E 02 FF	
	Down	8x 01 04 0E 03 FF	
WDR Control	Off	8x 01 7E 04 00 00 FF	It is effective Exposure Modeat is setting Auto
	Weak	8x 01 7E 04 00 01 FF	
	Natural	8x 01 7E 04 00 02 FF	
	Strong	8x 01 7E 04 00 03 FF	
Mist Removal Control	On	8x 01 04 37 02 00 FF	"On" setting corresponds to "middle label"
	Off	8x 01 04 37 03 00 FF	
Detail Control	Reset	8x 01 04 02 00 FF	
	Up	8x 01 04 02 02 FF	
	Down	8x 01 04 02 03 FF	
	Direct	8x 01 04 42 00 00 0p 0q FF	
NR Control		8x 01 04 53 0p FF	pq : 0x00~0x0B p:0(off), 1(weak ), 2(strong)
High Sensitivity Mode Control	On	8x 01 04 5E 02 FF	
	Off	8x 01 04 5E 03 FF	
Night Mode Control	On	8x 01 04 01 02 FF	
	Off	8x 01 04 01 03 FF	
Image Touch Revision Control	On	8x 01 04 34 02 FF	
	Off	8x 01 04 34 03 FF	
Preset Function	Reset	8x 01 04 3F 00 0p FF	p:0~0xF
	Set	8x 01 04 3F 01 0p FF	
	Recall	8x 01 04 3F 02 0p FF	
Tully Control	On	8x 01 7E 01 0A 00 02 FF	It is effective Tally menu is setting outside control.
	Off	8x 01 7E 01 0A 00 03 FF	
Menu Operation	On/Off	8x 01 06 06 10 FF	
	Set	8x 01 7E 01 02 00 01 FF	
Colorbar Output (Test pattern)	On	8x 01 04 7D 02 FF	
	Off	8x 01 04 7D 03 FF	
Pan Tilt Control	Up	8x 01 06 01 vv ww03 01 FF	HOME: PAN 0°/TILT 0°となる
	Down	8x 01 06 01 vv ww03 02 FF	
	Left	8x 01 06 01 vv ww01 03 FF	
	Right	8x 01 06 01 vv ww02 03 FF	
	UpLeft	8x 01 06 01 vv ww01 01 FF	
	UpRight	8x 01 06 01 vv ww02 01 FF	
	DownLeft	8x 01 06 01 vv ww01 02 FF	
	DownRight	8x 01 06 01 vv ww02 02 FF	
	Stop	8x 01 06 01 vv ww03 03 FF	
	AbsolutePosition	8x 01 06 02 vv ww0y 0y 0y 0z 0z 0z 0z FF	
	Home	8x 01 06 04 FF	
Image Inversion Control	On	8x 01 04 66 02 FF	On (Inversion) /Off (Normal)
	Off	8x 01 04 66 03 FF	

Inquire command

Command Information of Acquisition	Application → CAM	CAM → Application	Memo
Video On/Off state	8x 09 04 00 FF	y0 50 02 FF	On
		y0 50 03 FF	Off
Zoom positional information	8x 09 04 47 FF	y0 50 0p 0q 0r 0s FF	pqrs : 0x0000~0x7AC0
Digital zoom state	8x 09 04 06 FF	y0 50 02 FF	On
		y0 50 03 FF	Off
Focus Mode	8x 09 04 38 FF	y0 50 02 FF	AF
		y0 50 03 FF	MF
Focus positional information	8x 09 04 48 FF	y0 50 0p 0q 0r 0s FF	pqrs : 0x1000~0xD000
AF Speed	8x 09 04 58 FF	y0 50 02 FF	Fast
		y0 50 03 FF	Slow

White Balance mode	8x 09 04 35 FF	y0 50 0p FF	p:0(FAW), 1(3200K), 2(5600K),3(AWB), 5(Manual)
R Gain	8x 09 04 43 FF	y0 50 00 00 0p 0q FF	pq:0x00~0xFF
B Gain	8x 09 04 44 FF	y0 50 00 00 0p 0q FF	pq:0x00~0xFF
Exposure Mode	8x 09 04 39 FF	y0 50 00 FF	Auto
		y0 50 03 FF	Manual
		y0 50 0A FF	Shutter Priority
		y0 50 0B FF	Iris Priority
Automatic Slow Shutter state	8x 09 04 5A FF	y0 50 02 FF	On,
		y0 50 03 FF	Off
Shutter positional information	8x 09 04 4A FF	y0 50 00 00 0p 0q FF	pq: Shutter speed
IRIS position information	8x 09 04 4B FF	y0 50 00 00 0p 0q FF	pq: Iris
Gain status information	8x 09 04 4C FF	y0 50 00 00 0p 0q FF	pq : Gain
AGC Upper limit Control	8x 09 04 2C FF	y0 50 0q FF	q : the same as Gain
AE mode	8x 09 04 3E FF	y0 50 02 FF	Exposure Modeat is setting Except Manual
		y0 50 03 FF	Exposure Modeat is setting Manual
AE Lebel	8x 09 04 4E FF	y0 50 00 00 0p 0q FF	pq : AE Level
WDR mode	8x 09 7E 04 00 FF	y0 50 00 FF	Off,
		y0 50 01 FF	Weak,
		y0 50 02 FF	Natural,
		y0 50 03 FF	Strong
Mist Removal state	8x 09 04 37 FF	y0 50 02 FF	except Off,
		y0 50 03 FF	Off
NR state	8x 09 04 53 FF	y0 50 0p FF	q:0(off), 1(weak), 2(strong)
High Sensitivity Mode state	8x 09 04 5E FF	y0 50 02 FF	On,
		y0 50 03 FF	Off
Night mode state	8x 09 04 01 FF	y0 50 02 FF	On,
		y0 50 03 FF	Off
Image touch revision state	8x 09 04 34 FF	y0 50 02 FF	On,
		y0 50 03 FF	Off
Tully state	8x 09 7E 01 0A FF	y0 50 02 FF	On,
		y0 50 03 FF	Off
Menu display state	8x 09 06 06 FF	y0 50 02 FF	Under menu indication
		y0 50 03 FF	No menu indication
PAN/TILT Maximum speed value	8x 09 06 11 FF	y0 50 wwzz FF	
PAN/TILT position information	8x 09 06 12 FF	y0 50 0w 0w 0w 0w 0z 0z 0z 0z FF	
Image Inversion information	8x 09 04 66 FF	y0 50 02 FF	On (Inversion)
		y0 50 03 FF	Off (Normal)

#### Shutter Speed

pq	Set Point	
	60Hz	50Hz
0x03	1/8	1/6
0x04	1/15	1/12
0x05	1/30	1/25
0x06	1/60	1/50
0x07	1/90	1/75
0x08	1/100	1/100
0x09	1/125	1/120
0x0A	1/180	1/150
0x0B	1/250	1/215
0x0C	1/350	1/300
0x0D	1/500	1/425
0x0E	1/725	1/600
0x0F	1/1000	1/1000
0x10	1/1500	1/1250
0x11	1/2000	1/1750
0x12	1/3000	1/2500
0x13	1/4000	1/3500
0x14	1/6000	1/6000
0x15	1/10000	1/10000

#### Iris

pq	Set Point
0x00	CLOSE
0x05	F14
0x06	F11
0x07	F9.6
0x08	F8
0x09	F6.8
0x0A	F5.6
0x0B	F4.8
0x0C	F4
0x0D	F3.4
0x0E	F2.8
0x0F	F2.4
0x10	F2
0x11	F1.6

#### Gain

pq	Set Point
0x01	0dB
0x02	3dB
0x03	6dB
0x04	9dB
0x05	12dB
0x06	15dB
0x07	18dB
0x08	21dB
0x09	24dB
0x0A	30dB
0x0B	36dB
0x0C	42dB
0x0D	48dB

#### AE Level

pq	Set Point
0x01	-6
0x02	-5
0x03	-4
0x04	-3
0x05	-2
0x06	-1
0x07	0
0x08	1
0x09	2
0x0A	3
0x0B	4
0x0C	5
0x0D	6