

500822 - Control command list

No.	Function	Test items	Send command	Instruction	outcome	Comment
1	CAM_Zoom(digital zoom)	Stop	81 01 04 07 00 FF		OK	
		Tele(Standard)	81 01 04 07 02 FF		OK	
		Wide(Standard)	81 01 04 07 03 FF		OK	
		Direct	81 01 04 47 00 00 00 pq FF	pq: Zoom Position pq MIN:00 MAX:40	OK	
2	CAM_WB(white balance)	Auto	81 01 04 35 00 FF	Normal Auto	OK	
		OnePush mode	81 01 04 35 03 FF	One Push WB mode	OK	
		Manual	81 01 04 35 05 FF	Manual Control mode	OK	
		OnePush trigger	81 01 04 10 05 FF	One Push WB Trigger	OK	
		VAR	81 01 04 35 20 FF		OK	
3	Color temperature(Specified Color Temperature)	up	81 01 04 20 02 FF		OK	
		down	81 01 04 20 03 FF		OK	
		reset	81 01 04 20 00 FF		OK	
		direct	81 01 04 20 00 xx FF		OK	
4	CAM_Rgain(Red gain)	Reset	81 01 04 03 00 FF	Manual Control of R Gain	OK	
		Up	81 01 04 03 02 FF		OK	
		Down	81 01 04 03 03 FF		OK	
		Direct	81 01 04 43 00 00 0p 0q FF	pq: R Gain	OK	
5	CAM_Bgain(Blue gain)	Reset	81 01 04 04 00 FF	Manual Control of B Gain	OK	
		Up	81 01 04 04 02 FF		OK	
		Down	81 01 04 04 03 FF		OK	
		Direct	81 01 04 44 00 00 0p 0q FF	pq: B Gain	OK	
6	CAM_AE mode(exposure mode)	Full Auto	81 01 04 39 00 FF	Automatic Exposure mode	OK	
		Manual	81 01 04 39 03 FF	Manual Control mode	OK	
		Shutter priority	81 01 04 39 0A FF	Shutter Priority Automatic Exposure mode	OK	
		Bright	81 01 04 39 0D FF	Bright Mode(Manual control)	OK	
7	CAM_MeteringMode (metering mode)	Average	81 01 04 3A 00 FF	Average Metering	OK	
		Center-weighted	81 01 04 3A 01 FF	Center-weighted Average Metering	OK	
		top	81 01 04 3A 03 FF		OK	
8	CAM_Shutter	Reset	81 01 04 0A 00 FF	Shutter Setting	OK	
		Up	81 01 04 0A 02 FF		OK	
		Down	81 01 04 0A 03 FF		OK	
		Direct	81 01 04 4A 00 00 0p 0q FF	pq: Shutter Position	OK	
9	CAM_Gain	Reset	81 01 04 0C 00 FF	Gain Setting	OK	
		Up	81 01 04 0C 02 FF		OK	
		Down	81 01 04 0C 03 FF		OK	
		Direct	81 01 04 0C 00 00 0p 0q FF	pq: Gain Position	OK	
10	Gain Limit (customizable)	direct	81 01 04 2C 0p FF	p: Gain Position	OK	
		reset	81 0A 11 24 00 FF		OK	
		Up	81 0A 11 24 02 FF		OK	
		Down	81 0A 11 24 03 FF		OK	
11	CAM_Bright	Reset	81 01 04 0D 00 FF	Bright Setting	OK	
		Up	81 01 04 0D 02 FF		OK	
		Down	81 01 04 0D 03 FF		OK	

		Direct	81 01 04 0D 00 00 0p 0q FF	pq: Bright Position	OK	
12	CAM_ExpComp	On	81 01 04 3E 02 FF	Exposure Compensation On/Off	OK	
		Off	81 01 04 3E 03 FF		OK	
		Reset	81 01 04 0E 00 FF		OK	
		Up	81 01 04 0E 02 FF	Exposure Compensation Amount Setting	OK	
		Down	81 01 04 0E 03 FF		OK	
		Direct	81 01 04 4E 00 00 0p 0q FF		OK	
13	CAM_BackLight(Black Light)	On	81 01 04 33 02 FF	Back Light Compensation On/Off	OK	
		Off	81 01 04 33 03 FF		OK	
14	Dynamic Range	reset	81 01 04 25 00 FF		OK	
		up	81 01 04 25 02 FF		OK	
		down	81 01 04 25 03 FF		OK	
		direct	81 01 04 25 00 00 00 0p FF		OK	
15	CAM_NR(2D)	-	81 01 04 53 0p FF	p: NR Setting (0: Off, level 1 to 5)	OK	
	CAM_NR(3D)	-	81 01 04 54 0p FF	p: NR Setting (0: Off, level 1 to 5)	OK	
	CAM_Gamma	-	81 01 04 5B 0p FF	00: PC 01:0.45 02:0.5 03:0.56 04:0.63 05: EXT	OK	
	CAM_Flicker	-	81 01 04 23 0p FF	p: Flicker Settings(0: Off, 1: 50Hz, 2: 60Hz)	OK	
16	Pan_tiltDrive	Up	81 01 06 01 00 00 03 01 FF		OK	
		Down	81 01 06 01 00 00 03 02 FF		OK	
		Left	81 01 06 01 00 00 01 03 FF		OK	
		Right	81 01 06 01 00 00 02 03 FF		OK	
17	CAM_Preset	Reset	81 01 04 3F 00 pp FF	pp: Memory Number(=0 to 127)	OK	
		Set	81 01 04 3F 01 pp FF		OK	
		Recall	81 01 04 3F 02 pp FF		OK	
	CAM_ColorGain	Direct	81 01 04 49 00 00 00 0p FF	p: Color Gain setting 0h (60%) to Eh (200%)	OK	
18	CAM_ColorHue	Direct	81 01 04 4F 00 00 00 0p FF	p: Color Hue setting (0~14)	OK	
	CAM_AWBSensitivity	High	81 01 04 A9 00 FF	High	OK	
		Normal	81 01 04 A9 01 FF	Normal	OK	
		Low	81 01 04 A9 02 FF	Low	OK	
19	CAM_Brightness	Direct	81 01 04 A1 00 00 0p 0q FF	pq: Brightness Position	OK	
	CAM_Contrast	Direct	81 01 04 A2 00 00 0p 0q FF	pq: Contrast Position	OK	
	HOME		81 01 06 04 FF		OK	
20	CAM_SpeakerVolume	Up	81 2a 01 a0 03 00 02 FF		OK	
		Down	81 2a 01 a0 03 00 03 FF		OK	
21	CAM_SpeakerMute	Mute	81 2a 02 a0 03 02 ff		OK	
		Unmute	81 2a 02 a0 03 03 ff		OK	
22	CAM_AudioInMute	Mute	81 2a 02 a0 06 01 ff		OK	Microphone Mute
		Unmute	81 2a 02 a0 06 00 ff		OK	Microphone Unmute

23	CAM_PrivacyModeSet	Mute	81 0a 12 01 ff		OK	Camera Mute
		Unmute	81 0a 12 00 ff		OK	Camera Unmute
23	CAM_AIMode	Close	81 0a 11 a0 00 ff		OK	
		SmartGallery	81 0a 11 a0 01 ff		OK	
		SpeakerTrack	81 0a 11 a0 02 ff		OK	
		Autoframe	81 0a 11 a0 03 ff		OK	

Return command						
No.	Command	Function	Command Package	Instruction		Remarks
1	ACK/Completion Messages	ACK	z0 4y FF (y: Socket No.)	Return when the command is accepted.		
		Completion	z0 5y FF (y: Socket No.)	Return when the command has been executed.		
2	Error Messages	Syntax Error	z0 60 02 FF	Returned when the command format is different or when a command with illegal command parameters is accepted.		
		Command Buffer Full	z0 60 03 FF	Indicates that two sockets are already being used(executing two commands) and the command could not be accepted when received.		
		Command Canceled	z0 6y 04 FF (y: Socket No.)	Returned when a command which is being executed in a socket specified by the cancel command is canceled. The completion message for the command is not returned.		
		No Socket	z0 6y 05 FF (y: Socket No.)	Returned when no command is executed in a socket specified by the cancel command, or when an invalid socket number is specified.		
		Command Not Executable	z0 6y 41 FF (y: Execution command Socket No. Inquiry command: 0)	Returned when a command cannot be executed due to current conditions. For example, when commands controlling the focus manually are received during auto focus.		