

Camera Visca Command LIST (Set)

implemented	Command Set	Command	Command Packet	Comments	default
1	AddressSet	Broadcast	88 30 01 FF	Address setting	
2	IF_Clear	Broadcast	88 01 00 01 FF	I/F Clear	
3	CAM_Power	On	8x 01 04 00 02 FF	Power ON/OFF	2
		Off	8x 01 04 00 03 FF		
		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	p = 0(low)~7(high)	
		Wide(Variable)	8x 01 04 07 3p FF		
		Direct	8x 01 04 47 0p 0q 0r 0s FF	pqrs: Zoom Position (0(wide)~0x4000(tele))	
		Direct with speed	8x 0A 04 47 0t 0p 0q 0r 0s FF	t: spd. 0~7 pqrs: Zoom Position (0(wide)~0x4000(tele))	
		ON	8x 01 04 06 02 FF		
		OFF	8x 01 04 06 03 FF		
		Combine Mode	81 01 04 36 00 FF	Combine with optical zoom control	
		Separate Mode	81 01 04 36 01 FF	Separate with optical zoom control	
		Stop	81 01 04 06 00 FF	Enable In separate mode	
		Tele (Variable)	81 01 04 06 2p FF	Enable In separate mode	
		Wide (Variable)	81 01 04 06 3p FF	Enable In separate mode	
		Direct	81 01 04 46 0p 0q 0r 0s FF	Enable In separate mode	
		Stop	8x 01 04 08 00 FF		
		Far(Standard)	8x 01 04 08 02 FF		
		Near(Standard)	8x 01 04 08 03 FF		
		Far (Variable)	81 01 04 08 2p FF	p=0 (Low) to 7 (High)	
		Near (Variable)	81 01 04 08 3p FF	p=0 (Low) to 7 (High)	
		Direct	8x 01 04 48 0p 0q 0r 0s FF	pqrs: Focus Position	
		Auto Focus	81 01 04 38 02 FF		
		Manual Focus	81 01 04 38 03 FF		
		One Push AF	8x 01 04 18 01 FF		
		Direct	8x 01 04 47 0p 0q 0r 0s 0t 0u 0v 0w FF	pqrs: Zoom Position (0(wide)~ 0x4000(tele)) tuvw: Focus Position	
		Auto	8x 01 04 35 00 FF		
		Indoor	8x 01 04 35 01 FF		
		Outdoor	8x 01 04 35 02 FF		
		OnePush	8x 01 04 35 03 FF		
		ATW	8x 01 04 35 04 FF		
		Manual	8x 01 04 35 05 FF		
		OnePush Trigger	8x 01 04 10 05 FF		
		Reset	8x 01 04 03 00 FF		
		Up	8x 01 04 03 02 FF	Manual Control of R Gain	
		Down	8x 01 04 03 03 FF		
		Direct	8x 01 04 43 00 00 0p 0q FF	pq: R Gain (0~0xFF)	
		Reset	8x 01 04 04 00 FF		
		Up	8x 01 04 04 02 FF	Manual Control of B Gain	
		Down	8x 01 04 04 03 FF		
		Direct	8x 01 04 44 00 00 0p 0q FF	pq: B Gain (0~0xFF)	
		Full Auto	81 01 04 39 00 FF	Automatic Exposure mode	
		Manual	81 01 04 39 03 FF	Manual Control mode	
		Shutter Priority	81 01 04 39 0A FF	Shutter Priority Automatic Exposure mode	
		Iris Priority	81 01 04 39 0B FF	Iris Priority Automatic Exposure mode	
		Bright	81 01 04 39 0D FF	Bright Mode (Manual control)	
		Reset	8x 01 04 0A 00 FF		
		Up	8x 01 04 0A 02 FF	Shutter Setting	
		Down	8x 01 04 0A 03 FF		
		Direct	8x 01 04 4A 00 00 0p 0q FF	pq: Shutter Position (0~0x15)	
		Reset	8x 01 04 0B 00 FF		
		Up	8x 01 04 0B 02 FF	Iris Setting(0~0xD)	
		Down	8x 01 04 0B 03 FF		
		Direct	8x 01 04 4B 00 00 0p 0q FF	pq: Iris Position (0~ 0x0D)	
		Reset	8x 01 04 0C 00 FF		
		Up	8x 01 04 0C 02 FF	Gain Setting (0~0x0E)	
		Down	8x 01 04 0C 03 FF		
		Direct	8x 01 04 0C 00 00 0p 0q FF	pq: Gain Positon (0~0x0E)	
		GainLimit	8x 01 04 2C 0p FF	p:GainLimt 0x04~0x0F	
		Reset	8x 01 04 0D 00 FF		
		Up	8x 01 04 0D 02 FF	Bright Setting	
		Down	8x 01 04 0D 03 FF		
		Direct	8x 01 04 4D 00 00 0p 0q FF	pq: Bright I Positon (0~0x1B) AE_BRIGHT	
		Direct	8x 01 04 A4 00 00 0p 0q FF	pq: Image Bright Positon (0~0x0F) AE_AUTO/AE_SHUTTER/AE_IRIS	
		On	8x 01 04 3D 02 FF		
		Off	8x 01 04 3D 03 FF	Exposure Compensation ON/OFF	
		Direct	8x 01 04 D3 pq FF	pq: ExpComp Position (0~0x6)	
		On	8x 01 04 33 02 FF	BackLight On	
		Off	8x 01 04 33 03 FF	BackLight Off	
		Reset	8x 01 04 02 00 FF		
		Up	8x 01 04 02 02 FF	Aperture Control	
		Down	8x 01 04 02 03 FF		
		Direct	8x 01 04 42 00 00 0p 0q FF	pq: Aperture Gain (0~0x0F)	
		Reset	8x 01 04 3F 00 pp FF	pp: Preset Number(=0 to 127)	
		Set	8x 01 04 3F 01 pp FF	Corresponds to 0 to 9 on the Remote Commander	
		Recall	8x 01 04 3F 02 pp FF		
		Reset	8x 01 04 3F 00 0p 0p FF		
		Set	8x 01 04 3F 01 0p 0p FF	pp: Preset Number(=0 to 255) Corresponds to 0 to 9 on the Remote Commander	

		Recall	8x 01 04 3F 02 0p 0p FF		
22	Freeze	set	8x 01 04 62 0p FF	p: Freeze switch 3 = OFF 2 = ON	3
23	PresetFreezeSet	set	8x 01 04 76 0p FF	p: Preset Freeze switch 3 = OFF 2 = ON	3
24	PresetPTSpeedSet	set	8x 01 7E 01 0B 00 qq FF	qq:Preset speed 2~24 default:18	18
25	PresetZoomSpeedSet	set	8x 01 7E 01 2B 00 0q FF	0q:Preset zoom speed 0~7 default:5	5
26	PresetSpeedAdj	adj	8x 01 7E 01 1B 0p FF	p: direction adjustment 3 = down 2 = up	
27	CAM_LR_Reverse	On	8x 01 04 61 02 FF	Image Flip Horizontal ON/OFF	3
		Off	8x 01 04 61 03 FF		
28	CAM_PictureFlip	On	8x 01 04 66 02 FF	Image Flip Vertical ON/OFF	3
		Off	8x 01 04 66 03 FF		
29	CAM_RS485Ctl	On	8x 01 06 A5 02 FF		2
		Off	8x 01 06 A5 03 FF		
30	CAM_Saturation	Saturation	8x 01 04 A1 00 00 0p 0q FF	pq :saturation level 0x00~0x0f	8
31	CAM_Contrast	Contrast	8x 01 04 A2 00 00 0p 0q FF	pq :Contrast level 0x00~0x0f	8
32	CAM_SpeedByZoom	On	8x 01 06 A0 02 FF		2
		Off	8x 01 06 A0 03 FF		
33	CAM_PTSpeed	PT Speed	8x 01 04 C1 00 00 0p 0q FF	pq :PT speed 0x05~0x18	18
34	CAM_ZoomSpeed	Zoom Speed	8x 01 04 D1 00 00 0p 0q FF	pq :Zoom speed 0x01~0x07	5
35	CAM_IRaddress	IR address	8x 01 06 D8 0p FF	p:IR address 1~4	1
36	CAM_Gamma	Gamma set	81 01 04 5B 0p FF	P:Gamma NO. (0~4)	8
37	CAM_2D Noise Reduction	Direct	8x 01 04 A5 0p FF	p: 2D noise reduction switch 0 = OFF 1 = ON	0
38	CAM_3D Noise Reduction	Direct	8x 01 04 53 0p FF	p: 3D noise reduction switch 0 = OFF 1 = AUTO 2~5 = MANUAL LEVEL	1
39	VideoSystem Set (Telycam)		8x 01 06 35 00 pp FF	1080P60 0x00 1080P50 0x01 1080I60 0x02 1080I50 0x03 1080P30 0x04 1080P25 0x05 720P60 0x06 720P50 0x07 720P30 0x08 720P25 0x09 1080P5994 0x0E 1080I5994 0x0F 1080P2997 0x10 720P5994 0x13 720P2997 0x14 1080P24 0x11 1080P2398 0x12 4K@30 0x15 4K@25 0x16 4K@60 0x17 4K@50 0x18 4K@59.94 0x19 4K@29.97 0x1A 4K@24	0x04
40	VideoSystem Set (Sony)		81 01 04 24 72 0p 0q FF(HDMI) 81 01 04 24 73 0p 0q FF(SDI1/SFP+) 81 01 04 24 74 00 0m FF(Future Size) (900 only)	1080P60 0x2e 1080P50 0x2f 1080I60 0x01 1080I50 0x04 1080P30 0x06 1080P25 0x08 720P60 0x09 720P50 0x0c 720P30 0x0e 720P25 0x11 1080P5994 0x13 1080I5994 0x02 1080P2997 0x07 720P5994 0x0a 720P2997 0x0f 1080P24 0x2a 1080P2398 0x2b 4K@30 0x1D 4K@25 0x1E 4K@60 0x1F 4K@50 0x20 4K@59.94 0x21 4K@29.97 0x22 4K@24 0x1B 4K@23.98 0x1C m: 0 = 1920*1080P 1 = 1920*1080I	0x06
41	SDIFeaturePositionCst	Direct	8x 01 06 33 0p FF	p= 0: USER 1: LEFT UP 2: LEFT MIDDLE 3: LEFT DOWN 4: CENTER UP 5: CENTER 6: CENTER DOWN 7: RIGHT UP 8: RIGHT MIDDLE 9: RIGHT DOWN	CENTER (900 only)
42	SDIFeaturePosition	Direct	8x 01 06 32 00 00 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrs : (x position) mnxy: (y position)	960/540 (900 only)
43	DHCP control	DHCP off	8x 01 04 AE 00 FF	DHCP off	
		DHCP on	8x 01 04 AE 01 FF	DHCP on	ON
44	Mainstream	resolution	8x 01 04 C2 00 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrs : Column(x size) mnxy: Line (y size) only support:(same as web defined) 3840*2160(for 4k model) 1920*1080 1280*720	1920*1080
		rate	8x 01 04 C2 01 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrsmnxy: bitrate (1024~120000):(same as web defined)	16M
		Encode mode Sel	8x 01 04 C2 02 00 0q FF	0x00:h264 0x01:h265	H. 264
		Frame Rate	8x 01 04 C2 03 0p 0q FF	主码流编码帧率设置 范围(15~60)	60
		IDR Setting	8x 01 04 C2 04 0p 0q FF	帧间隔设定(5~120)	30
		Bitrate Control	8x 01 04 C2 05 0p 0q FF	0x00:CBR 0x01:VBR	CBR
45	Substream	resolution	8x 01 04 C3 00 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrs : Column(x size) mnxy: Line (y size) only support: 1280*720、1024*576、640*360:(same as web defined)	640*360
		rate	8x 01 04 C3 01 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrsmnxy: bitrate (1024~2048kbps):(same as web defined)	1M
		Encode mode Sel	8x 01 04 C3 02 00 0q FF	0x00:h264 0x01:h265	H. 264
		Frame Rate	8x 01 04 C3 03 0p 0q FF		60

		IDR Setting	8x 01 04 C3 04 0p 0q FF		30
		Bitrate Control	8x 01 04 C3 05 0p 0q FF		CBR
46	Tally Brightness	Direct	8x 01 7E 01 0A 01 0p FF	p: 0: OFF 1: low 2: middle 3: high	2
47	Tally control	Tally on/off	8x 01 7E 01 0A 00 0p FF	p: 0: OFF(LED off) 1: (LED Red on) 2: (LED Red on) 3: (LED Green on)	0
48	IP address control	IP set	8x 01 04 AB 0p 0q 0r 0s 0m 0n 0x 0y FF	Set ip to :pq.rs.mn.xy	Auto
		Mask set	8x 01 04 AC 0p 0q 0r 0s 0m 0n 0x 0y FF	Set mask to :pq.rs.mn.xy	Auto
		Gateway set	8x 01 04 AD 0p 0q 0r 0s 0m 0n 0x 0y FF	Set gateway to :pq.rs.mn.xy	Auto
		DNS set	8x 01 04 AF 0p 0q 0r 0s 0m 0n 0x 0y FF	Set dns to :pq.rs.mn.xy	Auto
49	SYS_Menu	Menu On	8x 01 06 06 02 FF	Turn on the menu	
		Menu Off	8x 01 06 06 03 FF	Turn off the menu	
		Menu Back	8x 01 06 06 10 FF	Menu step back	
		Menu Ok	8x 01 7E 01 02 00 01 FF	Menu ok	
50	IR_Receive	On	8x 01 06 08 02 FF		2
		Off	8x 01 06 08 03 FF	IR(remote commander)receive ON/OFF	
		On/Off	8x 01 06 08 10 FF		
51	Pan_tiltDrive	Up	8x 01 06 01 VV WW 03 01 FF	VV: Pan speed 0x01 (low speed) to 0x18 (high speed) WW: Tilt speed 0x01 (low speed) to 0x14 (high speed) YYYY: Pan Position(TBD) ZZZZ: Tilt Position(TBD)	
		Down	8x 01 06 01 VV WW 03 02 FF		
		Left	8x 01 06 01 VV WW 01 03 FF		
		Right	8x 01 06 01 VV WW 02 03 FF		
		Upleft	8x 01 06 01 VV WW 01 01 FF		
		Upright	8x 01 06 01 VV WW 02 01 FF		
		DownLeft	8x 01 06 01 VV WW 01 02 FF		
		DownRight	8x 01 06 01 VV WW 02 02 FF		
		Stop	8x 01 06 01 VV WW 03 03 FF		
		AbsolutePosition	8x 01 06 02 VV WW 0Y 0Y 0Y 0Y 0Z 0Z 0Z 0Z FF		
		RelativePosition	8x 01 06 03 VV WW 0Y 0Y 0Y 0Y 0Z 0Z 0Z 0Z FF		
		Home	8x 01 06 04 FF		
		Reset	8x 01 06 05 FF		
52	Pan-tiltLimitSet	Set	8x 01 06 07 00 0W 0Y 0Y 0Y 0Y 0Z 0Z 0Z 0Z FF	W:1 UpRight 0:DownLeft YYYY: Pan Limit Position(TBD)	
		Clear	8x 01 06 07 01 0W 07 0F 0F 0F 07 0F 0F 0F FF	ZZZZ: Tilt Limit Position(TBD)	
53	CAM_AT_OnOff	Direct	8x 01 04 C8 0p FF	P: 0 = off 1 = on	0
54	CAM_AT_TargetChange	Target change	8x 01 04 CA 0p FF	P:0x02 right move P:0x03 left move	
55	CAM_TargetLocation	Target location	8x 01 04 CB 0p FF	P: 0:mid 1:left 2:right	0
56	CAM_TargetRatio	Target ratio	8x 01 04 CC 0p 0q FF	Pq:(6~20)Human is 1/pq in the pic	16
57	CAM_AT_ChangeTime	Direct	8x 01 04 CD 0p 0q FF	pq: t time=t*100ms (Target lost time detect)	20
58	CAM_AT_BlackBoardMo	Direct	8x 01 04 CE 0p FF	p: 1=Enable 0=Disable	0
59	CAM_AT_LeftUp_Limit (preset#251)	Direct	8x 01 04 3F 0p 0F 0B FF	p: 1=Set 2=Call 3=Clear	
60	CAM_AT_RightDown_Limit (preset#253)	Direct	8x 01 04 3F 0p 0F 0D FF		
61	CAM_AT_InitialPosition (preset#255)	Direct	8x 01 04 3F 0p 0F 0F FF		
62	CAM_AT_BlackBoard Position1(preset#252)	Direct	8x 01 04 3F 0p 0F 0C FF		
63	CAM_AT_BlackBoard Position2(preset#250)	Direct	8x 01 04 3F 0p 0F 0A FF		
64	CAM_AT_ZoomLock	Direct	8x 01 04 D6 00 0p FF	p: 1=Enable 0=Disable	0
65	CAM_AT_TiltLock	Direct	8x 01 04 D6 01 0p FF		0
66	CAM_AT_LimitEnable	Direct	8x 01 04 D7 0p FF		0
67	CAM_GL_Vertical	Direct	8x 01 04 3E 0p 0q 0r 0s FF	pqrs: -200~200 int16	0 (900 only)
68	CAM_GL_Phase	Direct	8x 01 04 3B 0p 0q 0r 0s FF	pqrs: -206~49	
69	CAM_GL_PhaseStep	Direct	8x 01 04 3C 0p FF	p: 1~10	
70	CAM_GL_Status	Direct	8x 01 04 A8 0p FF	p: 0: 23.98 mcu to isp 1: 24 2: 25 3: 29.97 4: 30 5: 50 6: 59.94 7: 60 F:offline	offline (read only)

71	CAM_AudioSet	Direct	8x 01 04 D8 0p 0q 0r 0s 0t 0u 0m 0n 0h 0i 0j FF	0p: 0x01-ON 0x00-OFF 0q: 0x01-line in rstu: samplerate mn: volume 0~100 h: encode mode 4: LPCM 5: ACC ij: bitrate*1000	0p: 0x00-OFF 0q: 0x01-line in rstu: 48k mn: 50 h: 5 ij: 96(K)
72	CAM_Phantom_power_Set	Direct	8x 01 04 D9 0p FF	p: 2=Enable 3=Disable	3
73	CAM_SystemMode_Set	Direct	8x 01 06 34 0p FF	p: 0=FULL NDI priority 1=Digital priority	1
74	CAM_NDFilter_Set	Direct	8x 01 04 d9 0p FF	p:(0~3) 0:off 1:ND4 2:ND16 3:ND64	off

Camera Visca Command LIST (Inquiry)

Implemente	Inquiry Command	Command Packet	Inquiry Packet	Comments
1	CAM_PowerInq	8x 09 04 00 FF	y0 50 02 FF	On
2			y0 50 03 FF	Off(Standby)
3	CAM_ZoomPosInq	8x 09 04 47 FF	y0 50 0p 0q 0r 0s FF	pqrs: Zoom Position
4			y0 50 02 FF	Auto Focus
5	CAM_FocusModeInq	8x 09 04 38 FF	y0 50 03 FF	Manual Focus
6	CAM_FocusPosInq	8x 09 04 48 FF	y0 50 0p 0q 0r 0s FF	pqrs: Focus Position
7			y0 50 00 FF	Auto
8			y0 50 01 FF	Indoor mode
9			y0 50 02 FF	Outdoor mode
10	CAM_WBModeInq	8x 09 04 35 FF	y0 50 03 FF	OnePush mode
11			y0 50 04 FF	ATW
12			y0 50 05 FF	Manual
13	CAM_RGainInq	8x 09 04 43 FF	y0 50 00 00 0p 0q FF	pq: R Gain
14	CAM_BGainInq	8x 09 04 44 FF	y0 50 00 00 0p 0q FF	pq: B Gain
15				
16			y0 50 00 FF	Full Auto
17			y0 50 03 FF	Manual
18	CAM_AEModeInq	8x 09 04 39 FF	y0 50 0A FF	Shutter priority
19			y0 50 0B FF	Iris priority
20			y0 50 0D FF	Bright
21	CAM_ShutterPosInq	8x 09 04 4A FF	y0 50 00 00 0p 0q FF	pq: Shutter Position
22	CAM_IrisPosInq	8x 09 04 4B FF	y0 50 00 00 0p 0q FF	pq: Iris Position
23	CAM_GainPosInq	8x 09 04 4C FF	y0 50 00 00 0p 0q FF	pq: Gain Position
24	CAM_GainLimitInq	8x 09 04 2C FF	y0 50 0p FF	p:GainLimit 0x04~0x0F
25	CAM_AEBrightPosInq	8x 09 04 4D FF	y0 50 00 00 0p 0q FF	pq: Bright Position
26	CAM_ImageBrightPosInq	8x 09 04 A4 FF	y0 50 00 00 0p 0q FF	pq: Image Bright Position 0x00~0x0F
27			y0 50 02 FF	On
28	CAM_WDRModeInq	8x 09 04 3D FF	y0 50 03 FF	Off
29	CAM_GammaInq	8x 09 04 5B FF	y0 50 0p FF	p: Gamma posi
30	CAM_WDRLevelInq	8x 09 04 2D FF	y0 50 0p FF	p : WDR LEVEL 1~6
31	CAM_SharpnessInq	8x 09 04 42 FF	y0 50 00 00 0p 0q FF	pq: Sharpness posi
32			y0 50 02 FF	On
33	SYS_MenuModeInq	8x 09 06 06 FF	y0 50 03 FF	Off
34			y0 50 02 FF	On
35	CAM_LR_ReverseInq	8x 09 04 61 FF	y0 50 03 FF	Off
36			y0 50 02 FF	On
37	CAM_PictureFlipInq	8x 09 04 66 FF	y0 50 03 FF	Off
38	CAM_SaturationInq	8x 09 04 A1 FF	y0 50 00 00 0p 0q FF	pq :Saturation level 0x00~0x0f
39	CAM_ContrastInq	8x 09 04 A2 FF	y0 50 00 00 0p 0q FF	pq :Contrast level 0x00~0x0f
40	CAM_DHCPInq	8x 09 04 AE FF	y0 50 pp FF	pp:0 DHCP off pp:0x01 DHCP ON
41	CAM_FlickerInq	8x 09 04 AA FF	y0 50 0p FF	p:Flick mode 0:off 1:50HZ 2:60HZ
42	CAM_2DNRInq	8x 09 04 A5 FF	y0 50 0p FF	p: 2D降噪开关 0 = OFF 1 = ON
43	CAM_3DNRInq	8x 09 04 53 FF	y0 50 0p FF	p: 3D降噪开关 0 = OFF 1 = AUTO 2~5 = MANUAL LEVEL
44	CAM_IPInq	8x 09 04 AB FF	y0 50 0p 0p 0q 0q 0r 0r 0s 0s FF	ip : pq.rs.mn.xy
45	CAM_MASKInq	8x 09 04 AC FF	y0 50 0p 0p 0q 0q 0r 0r 0s 0s FF	mask : pq.rs.mn.xy
46	CAM_GATEWAYInq	8x 09 04 AD FF	y0 50 0p 0p 0q 0q 0r 0r 0s 0s FF	gateway : pq.rs.mn.xy
47	CAM_DNSInq	8x 09 04 AF FF	y0 50 0p 0p 0q 0q 0r 0r 0s 0s FF	dns : pq.rs.mn.xy
48	CAM_VersionInq	8x 09 00 02 FF	y0 50 ab cd mn pq rs tu vw FF	
49	VideoSystemInq(Telycam)	8x 09 06 23 FF	y0 50 pp FF	pp: Video format
50	VideoSystemInq(Sony)	FF(HDMI) 8x 09 04 24 73 FF(SD11/SFP+) 8x 09 04 24 74	y0 50 0p 0p FF	pp: Video format
51	SDIFeaturePosition	8x 09 06 32 FF	y0 50 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrs:(x position) mnxy:(y position)
52				p= 0: USER
53				1: LEFT UP
54				2: LEFT MIDDLE
55				3: LEFT DOWN
56				4: CENTER UP
57				5: CENTER
58				6: CENTER DOWN
59				7: RIGHT UP
60				8: RIGHT MIDDLE
61				9: RIGHT DOWN
62	IR_Transfer	8x 09 06 1A FF	y0 50 02 FF	On
63			y0 50 03 FF	Off
64	IR_Receive	8x 09 06 08 FF	y0 50 02 FF	On
65			y0 50 03 FF	Off
66	Pan-tiltMaxSpeedInq	8x 09 06 11 FF	y0 50 ww zz FF	ww: PanMaxSpeed zz: Tilt Max Speed
67	Pan-tiltPosInq	8x 09 06 12 FF	y0 50 0w 0w 0w 0w 0z 0z 0z 0z FF	www: PanPosition zzzz: Tilt Position
68	MainstreamResolutionInq	8x 09 04 C2 00 FF	y0 50 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrs : Column(x size) mnxy: Line (y size) only support 1920*1080 1280*720
69	MainstreamRateInq	8x 09 04 C2 01 FF	y0 50 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrsmnxy: bitrate (1024~120000kbps)
70	Main Encode Mode Inq	8x 09 04 C2 02 FF	y0 50 pp FF	Mode sel:0xpp 0x00:h264 0x01: h265
71	Main Frame Rate Inq	8x 09 04 C2 03 FF	y0 50 pp FF	Frame rate:0xpp (15~60)
72	Main IDR Inq	8x 09 04 C2 04 FF	y0 50 pp FF	IDR Setting:0xpp (5~120)
73	Main Stream Rate Mode Inq	8x 09 04 C2 05 FF	y0 50 pp FF	Contor mode:0xpp 0x00:CBR 0x01:VBR

64	SubstreamResolutionInq	8x 09 04 C3 00 FF	y0 50 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrs : Column(x size) mnxy: Line (y size) only support: 1280*720、1024*576、640*360
65	SubstreamRateInq	8x 09 04 C3 01 FF	y0 50 0p 0q 0r 0s 0m 0n 0x 0y FF	pqrsmnxy: bitrate (1024~2048kbps)
66	Sub Encode Mode Inq	8x 09 04 C3 02 FF	y0 50 pp FF	Mode sel:0xpp 0x00:h264 0x01: h265
67	Sub Frame Rate Inq	8x 09 04 C3 03 FF	y0 50 pp FF	Frame rate:0xpp (15~60)
68	Sub IDR RInq	8x 09 04 C3 04 FF	y0 50 pp FF	IDR Setting:0xpp (5~120)
69	Sub Stream Rate Mode Inq	8x 09 04 C3 05 FF	y0 50 pp FF	Contor mode:0xpp 0x00:CBR 0x01:VBR
	TallyBrightnessInq	8x 09 7E 01 0A 01 FF	y0 50 0p FF	p: tally brightness
70	TallyInq	8x 09 7E 01 0A 00 FF	y0 50 0p FF	p: tally state
71	FreezeInq	8x 09 04 62 FF	y0 50 0p FF	p: 冻结开关 3 = OFF 2 = ON
72	PresetFreezeInq	8x 09 04 76 FF	y0 50 0p FF	p: 预置位冻结开关 3 = OFF 2 = ON
73	PresetExistInq	8x 09 04 3F 0p 0p FF	y0 50 0q FF	pp: preset NO. 0~255 q: 0:not saved 1:saved
74	PresetPTSpeedInq	8x 09 7E 01 0B FF	y0 50 pp FF	pp:预置位速度 2~24 default:18
75	PresetZoomSpeedInq	8x 09 7E 01 2B FF	y0 50 0p FF	pp:预置位ZOOM速度 0~7 default:5
76	CAM_AT_OnOff_Inq	8x 09 04 C8 FF	y0 50 0p FF	
78	CAM_TargetLocation_Inq	8x 09 04 CB FF	y0 50 0p FF	
79	CAM_TargetRatio_Inq	8x 09 04 CC FF	y0 50 0p 0q FF	Pq:(6~20)Human is 1/pq in the pic
80	CAM_AT_ChangeTime_Inq	8x 09 04 CD FF	y0 50 0p 0q FF	pq: t time=t*100ms (Target lost time detect)
81	CAM_AT_BlackBoardMode_Inq	8x 09 04 CE FF	y0 50 0p FF	
83	CAM_AT_ZoomLock_Inq	8x 09 04 D6 00 FF	y0 50 0p FF	
	CAM_AT_TiltLock_Inq	8x 09 04 D6 01 FF	y0 50 0p FF	
84	CAM_AT_LimitEnable_Inq	8x 09 04 D7 FF	y0 50 0p FF	
85	CAM_AT_LeftUp_Limit_Inq (preset#251)	8x 09 04 3F 0F 0B FF	y0 50 0p FF	p: 1: position setted 0: not setted
86	CAM_AT_RightDown_Limit_Inq(preset#253)	8x 09 04 3F 0F 0D FF	y0 50 0p FF	
87	CAM_AT_InitialPosition_Inq (preset#255)	8x 09 04 3F 0F 0F FF	y0 50 0p FF	
88	CAM_AT_BlackBoard Position0_Inq(preset#252)	8x 09 04 3F 0F 0C FF	y0 50 0p FF	
89	CAM_AT_BlackBoard Position1_Inq(preset#250)	8x 09 04 3F 0F 0A FF	y0 50 0p FF	
90	CAM_GL_Vertical	8x 09 04 3E FF	y0 50 0p 0q 0r 0s FF	pqrs: -200~200
91	CAM_GL_Phase	8x 09 04 3B FF	y0 50 0p 0q 0r 0s FF	pqrs: -206~49
92	CAM_GL_PhaseStep	8x 09 04 3C FF	y0 50 0p FF	p: 1~10
93	CAM_GL_Status	8x 09 04 A8 FF	y0 50 0p FF	p: 0: 23.98 mcu to isp 1: 24 2: 25 3: 29.97 4: 30 5: 50 6: 59.94 7: 60 F:offline
94	CAM_AudioSet	8x 09 04 D8 FF	8x 01 04 D8 0p 0q 0r 0s 0t 0u 0m 0n 0h 0i 0j FF	0p: 0x01-ON 0x00-OFF 0q: 0x01-line in rstu: samplerate mn: volume 0~100 h: encode mode 4: LPCM 5: ACC ij: bitrate*1000
95	CAM_SystemMode_Inq	8x 09 06 34 FF	y0 50 0p FF	p: 0=FULL NDI priority 1=Digital priority
96	CAM_Phantom_power_Inq	8x 09 04 D9 FF	y0 50 0p FF	p: 2=Enable 3=Disable
97	CAM_NDIFilter_Inq	8x 09 04 d9 FF	y0 50 0p FF	p: (0~3) 0:off 1:ND4 2:ND16 3:ND64
注：以上表中【x】表示要操作的摄像机地址，【y】=【x + 8】。				

PAN POSITION	VISCA PARAM	TILT POSITION	VISCA PARAM
-170	0xF670	-30	0xFE50
-135	0xF868	0	0x0000
-90	0xFAF0	30	0x01B0
-45	0xFD78	60	0x0360
0	0x0000	90	0x510
45	0x0288		
90	0x0510		
135	0x0798		
170	0x0990		

PAN (DEGREE/SECOND)		PTZ3 UHD tilt (DEGREE/SECOND)	
0	0, 24	0	0, 27
1	1	1	1
2	2	2	2
3	3, 5	3	3
4	5	4	4, 5
5	6, 5	5	5, 5
6	7, 5	6	6, 5

7	8,5	7	8
8	9,5	8	10
9	12	9	12
10	15	10	15
11	18	11	18
12	21	12	21
13	24	13	24
14	27	14	26
15	31	15	29
16	35	16	33
17	40	17	35
18	45	18	38
19	50	19	41
20	55	20	44
21	60	21	48
22	65	22	52
23	70	23	56
24	80	24	60

PTZ3

PAN (DEGREE/SECOND)		tilt (DEGREE/SECOND)	
0	0,24	0	0,27
1	0,8	1	1
2	2	2	2
3	3,5	3	3
4	5	4	4,5
5	6,5	5	5,5
6	7,5	6	6,5
7	8,5	7	8
8	10	8	10
9	12	9	12
10	15	10	15
11	18	11	18
12	21	12	21
13	24	13	24
14	27	14	26
15	31	15	29
16	35	16	33
17	40	17	35
18	50	18	38
19	60	19	45
20	70	20	60
21	85	21	75
22	100	22	80
23	110	23	80
24	120	24	80

utter speed		60/30mode	50/25mode	Iris	0D	F1.8
	21	1/10000	1/10000		0C	F2.0
	20	1/6000	1/6000		0B	F2.4
	19	1/4000	1/3500		0A	F2.8
	18	1/3000	1/2500		9	F3.4
	17	1/2000	1/1750		8	F4.0
	16	1/1500	1/1250		7	F4.8
	15	1/1000	1/1000		6	F5.6
	14	1/725	1/600		5	F6.8
	13	1/500	1/425		4	F8.0
	12	1/350	1/300		3	F9.6
	11	1/250	1/215		2	F11
	10	1/180	1/150		1	F14
	9	1/125	1/120		0	CLOSE
	8	1/100	1/100			
	7	1/90	1/75			
	6	1/60	1/50			

Gain	0	0dB
	1	2dB
	2	4dB
	3	6dB
	4	8dB
	5	10dB
	6	12dB
	7	14dB
	8	16dB
	9	18dB
	10	20dB
	11	22dB
	12	24dB
	13	26dB
	14	28dB