

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		
4	CAM_Zoom	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))	
5	CAM_Dzoom(2x)	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	
6	CAM_Focus	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		
7	CAM_ZoomFocus	Direct	8x 01 04 47 0p 0q 0r 0s 0t 0u 0v 0w FF	pqrs: Zoom Position (0(wide)~0x4000(tele)) tuvv: Focus Position	
8	CAM_WB	Auto	8x 01 04 35 00 FF		ATW
		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		
9	CAM_Rgain	Reset	8x 01 04 03 00 FF	Manual Control of R Gain	Auto
		Up	8x 01 04 03 02 FF		
		Down	8x 01 04 03 03 FF		
		Direct	8x 01 04 43 00 00 0p 0q FF	pq: R Gain (0~0xFF)	
10	CAM_Bgain	Reset	8x 01 04 04 00 FF	Manual Control of B Gain	Auto
		Up	8x 01 04 04 02 FF		
		Down	8x 01 04 04 03 FF		
		Direct	8x 01 04 44 00 00 0p 0q FF	pq: B Gain (0~0xFF)	
10	CAM_Ggain	Reset	8x 01 04 05 00 FF	Manual Control of G Gain	Auto
		Up	8x 01 04 05 02 FF		
		Down	8x 01 04 05 03 FF		
		Direct	8x 01 04 45 00 00 0p 0q FF	pq: G Gain (0~0xFF)	
11	CAM_AE	Full Auto	81 01 04 39 00 FF	Automatic Exposure mode	Full Auto
		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)	
12	CAM_Shutter	Reset	8x 01 04 0A 00 FF	Shutter Setting	Auto
		Up	8x 01 04 0A 02 FF		
		Down	8x 01 04 0A 03 FF		
		Direct	8x 01 04 4A 00 00 0p 0q FF	pq: Shutter Position (0~0x15)	
13	CAM_Iris	Reset	8x 01 04 0B 00 FF	Iris Setting(0~0xD)	Auto
		Up	8x 01 04 0B 02 FF		
		Down	8x 01 04 0B 03 FF		
		Direct	8x 01 04 4B 00 00 0p 0q FF	pq: Iris Position (0~ 0x0D)	
14	CAM_Gain	Reset	8x 01 04 0C 00 FF	Gain Setting (0~0x0E)	Auto
		Up	8x 01 04 0C 02 FF		
		Down	8x 01 04 0C 03 FF		
		Direct	8x 01 04 4C 00 00 0p 0q FF	pq: Gain Positon (0~0x0E)	
		GainLimit	8x 01 04 2C 0p FF	p:GainLimit 0x04~0x0F	
15	CAM_AEBright	Reset	8x 01 04 0D 00 FF	Bright Setting	11
		Up	8x 01 04 0D 02 FF		
		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	
16	CAM_ImageBright	Direct	8x 01 04 A4 00 00 0p 0q FF	pq: Image Bright Positon (0~0x0F) AE_AUTO/AE_SHUTTER/AE_IRIS	8
17	CAM_WDR	On	8x 01 04 3D 02 FF	Exposure Compensation ON/OFF	3
		Off	8x 01 04 3D 03 FF		
		Direct	8x 01 04 D3 pq FF	pq: ExpComp Position (0~0x6)	

18	CAM_BackLight(BLC)	On	8x 01 04 33 02 FF	BackLight On	3
		Off	8x 01 04 33 03 FF	BackLight Off	
19	CAM_Sharpness	Reset	8x 01 04 02 00 FF	Aperture Control pq: Aperture Gain (0~0x0F)	6
		Up	8x 01 04 02 02 FF		
		Down	8x 01 04 02 03 FF		
		Direct	8x 01 04 42 00 00 0p 0q FF		
20	CAM_Memory(preset)	Reset	8x 01 04 3F 00 pp FF	pp: Preset Number(=0 to 127) Corresponds to 0 to 9 on the Remote Commander	
		Set	8x 01 04 3F 01 pp FF		
		Recall	8x 01 04 3F 02 pp FF		
21	CAM_MemoryH(preset)	Reset	8x 01 04 3F 00 0p 0p FF	pp: Preset Number(=0 to 255) Corresponds to 0 to 9 on the Remote Commander	
		Set	8x 01 04 3F 01 0p 0p FF		
		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	pp: Video format 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	0x04
40	VideoSystem Set (Sony)		81 01 04 24 72 0p 0q FF(HDMI) 81 01 04 24 73 0p 0q FF(SDI/SFP+) 81 01 04 24 74 00 0m FF(Feature Size) (900 only)	pq: Video format 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	0x06
41	DHCP control	DHCP off	8x 01 04 AE 00 FF	DHCP off	
		DHCP on	8x 01 04 AE 01 FF	DHCP on	ON
42	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	I帧间隔设定(5~120)	30
		Bitrate Control	8x 01 04 C2 05 0p 0q FF	0x00:CBR 0x01:VBR	CBR
43	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	主码流编码帧率设置 范围(15~60)	60
		IDR Setting	8x 01 04 C3 04 0p 0q FF	I帧间隔设定(5~120)	30
		Bitrate Control	8x 01 04 C3 05 0p 0q FF	0x00:CBR 0x01:VBR	CBR

44	Tally Brightness	Direct	8x 01 7E 01 0A 01 0p FF	p: 0: OFF 1: low 2:middle 3:high	2
45	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
46	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
47	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	
48	IR_Receive	On	8x 01 06 08 02 FF	IR(remote commander)receive ON/OFF	2
		Off	8x 01 06 08 03 FF		
		On/Off	8x 01 06 08 10 FF		
49	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		
50	Pan-tiltLimitSet	Set	8x 01 06 07 00 0W 0Y 0Y 0Y 0Y 0Z 0Z 0Z 0Z FF	W:I 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)	

51	CAM_AT_OnOff	Direct	8x 01 04 C8 0p FF	P: 0 = off 1 = on	0	SET preset 245 = ON	Clear preset 245 = Off
52	CAM_AT_TargetChange	Target change	8x 01 04 CA 0p FF	P:0x02 right move P:0x03 left move			
53	CAM_TargetLocation	Target location	8x 01 04 CB 0p FF	P: 0:mid 1:left 2:right	0		
54	CAM_TargetRatio	Target ratio	8x 01 04 CC 0p 0q FF	Pq:(1~4) 1=FullBody 2=AboveKnee 3=AboveWaist 4=AboveChest	1		
55	CAM_AT_ChangeTime	Direct	8x 01 04 CD 0p 0q FF	pq: t time=t*100ms (Target lost time detect)	20		
56	CAM_AT_BlackBoardM	Direct	8x 01 04 CE 0p FF	p: 1=Enable 0=Disable	0	SET preset 246 = ON	Clear preset 246 = Off
57	CAM_AT_LeftUp_Limit	Direct	8x 01 04 3F 0p 0F 0B FF	p: 1=Set 2=Call 3=Clear		SET preset 251 = ON	Clear preset 251 = Off
58	CAM_AT_RightDown_Limit(preset#253)	Direct	8x 01 04 3F 0p 0F 0D FF	p: 1=Set 2=Call 3=Clear		SET preset 253 = ON	Clear preset 253 = Off
59	CAM_AT_InitialPosition1	Direct	8x 01 04 3F 0p 0F 0F FF	p: 1=Set 2=Call 3=Clear		SET preset 255 = ON	Clear preset 255 = Off
60	CAM_AT_InitialPosition2	Direct	8x 01 04 3F 0p 0F 0E FF	p: 1=Set 2=Call 3=Clear		SET preset 254 = ON	Clear preset 254 = Off
61	CAM_AT_BlackBoardPosition1(preset#252)	Direct	8x 01 04 3F 0p 0F 0C FF	p: 1=Set 2=Call 3=Clear		SET preset 252 = ON	Clear preset 252 = Off
62	CAM_AT_BlackBoardPosition2(preset#250)	Direct	8x 01 04 3F 0p 0F 0A FF	p: 1=Set 2=Call 3=Clear		SET preset 250 = ON	Clear preset 250 = Off
63	CAM_AT_ZoomLock	Direct	8x 01 04 D6 00 0p FF	p: 1=Enable 0=Disable	0	SET preset 247 = ON	Clear preset 247 = Off
64	CAM_AT_TiltLock	Direct	8x 01 04 D6 01 0p FF	p: 1=Enable 0=Disable	0	SET preset 248 = ON	Clear preset 248 = Off
65	CAM_AT_LimitEnable	Direct	8x 01 04 D7 0p FF	p: 1=Enable 0=Disable	0	SET preset 249 = ON	Clear preset 249 = Off
66	CAM_AudioSet	Direct	8x 01 04 D8 0p 0q 0r 0s 0t 0u 0m 0n 0h 0i 0j FF	Up: 0x01-ON 0x00-OFF 0q: 0x01-line in rstu: samplerate mn: volume 0~100 h: encode mode 4: LPCM 5: ACC	Up: 0x00-OFF 0q: 0x01-line in rstu: 48k mn: 50 h: 5		
67	CAM_Phantom_power	Direct	8x 01 04 D9 0p FF	p: 2=Enable 3=Disable	3		
68	CAM_IRCutterMode_Set	Direct	8x 01 04 01 0p FF	p: 2=Day Mode 3=Night Mode	2		
69	CAM_TrackingMode_Set	Direct	8x 01 04 C8 01 0p FF	p: 0=Only Tracking 1= Head Framing 2=Body Framing	0		
70	CAM_FramingOnePush	Direct	8x 01 04 C8 02 01 FF	when framing mode camera return to InitialPosition1	0		