

Command Set List VD1010 compared to Sony EH3150

Command Set	Command	Command Packet	Comments	OK/NG		
AddressSet	Broadcast	88 30 01 FF	Address setting	OK		
IF_Clear	Broadcast	88 01 00 01 FF	I/F Clesr	OK		
CommandCancel	-	8x 2p FF	p: Socket No. (=1 or 2)	OK		
CAM_Power	On	8x 01 04 00 02 FF	Power ON/OFF	OK		
	Off (Standby)	8x 01 04 00 03 FF				
CAM_Zoom	Stop	8x 01 04 07 00 FF	p=0 (Low) to 7 (High) pqrs: Zoom Position	OK		
	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				
CAM_DZoom	On	8x 01 04 06 02 FF	Digital zoom ON/OFF	OK		
	off	8x 01 04 06 03 FF		OK		
	Combine Mode	8x 01 04 36 00 FF	Optical/Digital Zoom Combined	OK		
	Separate Mode	8x 01 04 36 01 FF	Optical/Digital Zoom Separate	OK		
	Stop	8x 01 04 06 00 FF		OK		
	Tele (Variable)	8x 01 04 06 2p FF	p=0 (Low) to 7 (High) * Enabled during Separate Mode	OK		
	Wide(Variable)	8x 01 04 06 3p FF		OK		
	x1/Max	8x 01 04 06 10 FF	x1/MAX Magnification Switchover * Enabled during Separate Mode	OK		
Direct	8x 01 04 46 00 00 0p 0q FF	pq: D-Zoom Position * Enabled during Separate Mode	OK			
CAM_Focus	Stop	8x 01 04 08 00 FF	p=0 (Low) to 7 (High) pqrs: Focus Position AF ON/OFF	OK		
	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				
	One Push Trigger	8x 01 04 18 01 FF			One Push AF Trigger	OK
	Infinity	8x 01 04 18 02 FF			Forced infinity	NG
	Near Limit	8x 01 04 28 0p 0q 0r 0s FF			pqrs: Focus Near Limit Position	NG
AF Sensitivity	Normal	8x 01 04 58 02 FF	AF Sensitivity Normal/Low/High	OK		
	Low	8x 01 04 58 03 FF				
	High	8x 01 04 58 04 FF				
CAM_AFMode	Normal AF	8x 01 04 57 00 FF	AF Movement Mode Pq: Movemont Time, rs: Interval	OK		
	Interval AF	8x 01 04 57 01 FF		NG		
	Zoom Trigger AF	8x 01 04 57 02 FF		OK		
	Active/Interval Time	8x 01 04 27 0p 0q 0r 0s FF		NG		
CAM_IRCorrection	Standard	8x 01 04 11 00 FF	FOCUS IR compensation data switching	OK		
	IR Light	8x 01 04 11 01 FF				
CAM_ZoomFocus	Direct	8x 01 04 47 0p 0q 0r 0s 0t 0u 0v 0w FF	pqrs: Zoom Position tuvw: Focus Position	OK		

Command Set	Command	Command Packet	Comments	OK/NG	
CAM_Initialize	Lens	8x 01 04 19 01 FF	Lens Initialization Start	OK	
	Camera	8x 01 04 19 03 FF	Camera reset		
CAM_WB	Auto	8x 01 04 35 00 FF	Normal Auto	OK	
	Indoor	8x 01 04 35 01 FF	Indoor mode		
	Outdoor	8x 01 04 35 02 FF	Outdoor mode		
	One Push WB	8x 01 04 35 03 FF	One Push WB mode		
	ATW	8x 01 04 35 04 FF	Auto Tracing White Balance		
	Manual	8x 01 04 35 05 FF	Manual Control mode	OK	
	One Push Trigger	8x 01 04 10 05 FF	One Push WB Trigger		
	Outdoor Auto	8x 01 04 35 06 FF	Outdoor Auto		NG
	Sodium Lamp Auto	8x 01 04 35 07 FF	Auto Including sodium lamp source		NG
	Sodium Lamp	8x 01 04 35 08 FF	Sodium lamp source fixed mode		NG
CAM_RGain	Reset	8x 01 04 03 00 FF	Manual Control of R Gain	OK	
	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		
CAM_BGain	Reset	8x 01 04 04 00 FF	Manual Control of B Gain	OK	
	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		
CAM_AE	Full Auto	8x 01 04 39 00 FF	Automatic Exposure mode	OK	
	Manual	8x 01 04 39 03 FF	Manual Control mode	OK	
	Shutter Priority	8x 01 04 39 0A FF	Shutter Priority Automatic Exposure mode	OK	
	Iris Priority	8x 01 04 39 0B FF	Iris Priority Automatic Exposure mode	OK	
	Bright	8x 01 04 39 0D FF	Bright Mode	NG	
CAM_SlowShutter	On	8x 01 04 5A 02 FF	Auto Slow Shutter ON/OFF	OK	
	Off	8x 01 04 5A 03 FF			
CAM_Shutter	Reset	8x 01 04 0A 00 FF	Shutter Setting	OK	
	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		
CAM_Iris	Reset	8x 01 04 0B 00 FF	Iris Setting	OK	
	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		
CAM_Gain	Reset	8x 01 04 0C 00 FF	Gain Setting	OK	
	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 Position
	Gain Limit	8x 01 04 2C 0p FF	p: Gain Position		
CAM_Bright	Reset	8x 01 04 0D 00 FF	Bright Setting	OK	
	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 Position		

Command Set	Command	Command Packet	Comments	OK/NG
CAM_ExpComp	On	8x 01 04 3E 02 FF	Exposure Compensation ON/OFF	OK
	Off	8x 01 04 3E 03 FF		
	Reset	8x 01 04 0E 00 FF	Exposure Compensation Amount Setting	
	Up	8x 01 04 0E 02 FF		
	Down	8x 01 04 0E 03 FF		
	Direct	8x 01 04 4E 00 00 0p 0q FF	pq: ExpComp Position	
CAM_BackLight	On	8x 01 04 33 02 FF	Back Light Compensation ON/OFF	OK
	Off	8x 01 04 33 03 FF		
CAM_SpotAE	On	8x 01 04 59 02 FF	Spot Automatic Exposure Setting	NG
	Off	8x 01 04 59 03 FF		
	Position	8x 01 04 29 0p 0q 0r 0s FF	pq: X (0 to F) rs: Y (0 to F)	
CAM_AE_Response	Direct	8x 01 04 5D pp FF	pp: Automatic Exposure Response Setting (01h to 30h), default value: 01	NG
CAM_WD	On	8x 01 04 3D 02 FF	Wide-D ON/OFF	OK
	Off	8x 01 04 3D 03 FF		
CAM_Aperture	Reset	8x 01 04 02 00 FF	Aperture Control	OK
	Up	8x 01 04 02 02 FF		
	Down	8x 01 04 02 03 FF		
	Direct	8x 01 04 42 00 00 0p 0q FF	pq: Aperture Gain	
CAM_HR	On	8x 01 04 52 02 FF	High-Resolution Mode ON/OFF	NG
	Off	8x 01 04 52 03 FF		
CAM_NR	—	8x 01 04 53 0p FF	p: NR Setting (0: OFF, level 1 to 5)	OK
CAM_Gamma	—	8x 01 04 5B 0p FF	p: Gamma setting (0: Standard, 1 to 4)	OK
CAM_LR_Reverse	On	8x 01 04 61 02 FF	Mirror Image ON/OFF	OK
	Off	8x 01 04 61 03 FF		
CAM_Freeze	On	8x 01 04 62 02 FF	Still Image ON/OFF	NG
	Off	8x 01 04 62 03 FF		
CAM_PictureEffect	Off	8x 01 04 63 00 FF	Picture Effect Setting	NG
	B&W	8x 01 04 63 04 FF		
CAM_PictureFlip	On	8x 01 04 66 02 FF	Picture flip ON/OFF	OK
	Off	8x 01 04 66 03 FF		
CAM_Defog	On	8x 01 04 37 02 00 FF	Defog ON/OFF	OK
	Off	8x 01 04 37 03 00 FF		
CAM_ICR	On	8x 01 04 01 02 FF	Infrared Mode ON/OFF	OK
	Off	8x 01 04 01 03 FF		
CAM_AutoICR	On	8x 01 04 51 02 FF	Auto dark-field mode On/Off	OK
	Off	8x 01 04 51 03 FF		
CAM_AutoICRAlarm Reply	On	8x 01 04 31 02 FF	Auto ICR switching Alarm ON/OFF	NG
	Off	8x 01 04 31 03 FF		
	(Reply)	y0 07 04 31 02 FF	ICR OFF · ON	
		y0 07 04 31 03 FF	ICR ON · OFF	

Command Set	Command	Command Packet	Comments	OK/NG
CAM_Memory	Reset	8x 01 04 3F 00 0p FF	p: Memory Number (=0 to 5)	OK
	Set	8x 01 04 3F 01 0p FF		
	Recall	8x 01 04 3F 02 0p FF		
CAM_Stabilizer	On	8x 01 04 34 02 FF	Stabilizer ON/OFF/HOLD	OK
	Off	8x 01 04 34 03 FF		OK
	Hold	8x 01 04 34 00 FF		NG
CAM_CUSTOM	Reset	8x 01 04 3F 00 7F FF	Starts up in this mode when the power is turned on.	OK
	Set	8x 01 04 3F 01 7F FF		
	Recall	8x 01 04 3F 02 7F FF		
CAM_MemSave	Write	8x 01 04 23 0X 0p 0p 0q 0q FF	X: 00 to 07 (Address), total 16 byte ppqq: 0x0000 to 0xFFFF (Data)	OK
CAM_Display	On	8x 01 04 15 02 FF	Display ON/OFF	NG
		(8x 01 06 06 02 FF)		
	Off	8x 01 04 15 03 FF		
		(8x 01 06 06 03 FF)		
On/Off	8x 01 04 15 10 FF			
	(8x 01 06 06 10 FF)			
CAM_MultiLine Title	Title Set1	8x 01 04 73 1L 00 nn pp	L: Line Number, nn: H-position	OK
		qq 00 00 00 00 00 FF	qq: Blink	
	Title Set2	8x 01 04 73 2L mm nn pp	L: Line Number,	OK
		qq rr ss tt uu vv ww FF	mnpqrstuvw: Setting of characters (1 to 10)	
	Title Set3	8x 01 04 73 3L mm nn pp qq rr ss tt uu vv ww FF	L: Line Number, mnpqrstuvw: Setting of characters (1 to 10)	OK
	Title Clear	8x 01 04 74 1p FF	Title Setting clear (p: 0 to a, f= all lines)	OK
On	8x 01 04 74 2p FF	Title display On/Off (0 to a, f= all lines)	OK	
Off	8x 01 04 74 3p FF			
CAM_PrivacyZone	SetMask	8x 01 04 76 mm nn 0r 0r 0s 0s FF	mm: Mask Settings nn 00: Modify, 01: New rr: W, ss: H	NG
	Display	8x 01 04 77 pp pp pp pp FF	Mask Display ON/OFF pp pp pp pp: Mask Settings (0: OFF, 1: ON)	NG
	SetMaskColor	8x 01 04 78 pp pp pp pp qq rr FF	pp pp pp pp: Mask Color Settings qq: Color Setting when 0 is selected rr: Color Setting when 1 is selected	NG
	SetPanTiltAngle	8x 01 04 79 0p 0p 0p 0q 0q 0q FF	Pan/Tilt Angle Settings ppp: Pan qqq: Tilt	NG
	SetPTZMask	8x 01 04 7B mm 0p 0p 0p 0q 0q 0q 0r 0r 0r 0r FF	Pan/Tilt/Zoom Settings for Mask ppp: Pan, qq: Tilt, rrrr: Zoom, mm: Mask Settings	NG
	Non_InterlockMask	8x 01 04 6F mm 0p 0p 0q 0q 0r 0r 0s 0s FF	mm: Non_Interlock Mask Settings pp: X, q: Y, rr: W, ss: H	NG
	CenterLineOff	8x 01 04 7C 03 FF	Center Line Display Off	OK
	CenterLineOn	8x 01 04 7C 04 FF	Center Line Display On	OK

Command Set	Command	Command Packet	Comments	OK/NG
CAM_Mute	On	8x 01 04 75 02 FF	Muting ON/OFF	NG
	Off	8x 01 04 75 03 FF		
	On/Off	8x 01 04 75 10 FF		
CAM_IDWrite	—	8x 01 04 22 0p 0q 0r 0s FF	pqrs: Camera ID (=0000 to FFFF)	OK
CAM_Continuous ZoomPosReply	On	8x 01 04 69 02 FF	ZoomPosition data Continuous Output On/Off pp: D-Zoom Position * 00: When Zoom Mode is Combine qqqq: Zoom Position	OK
	Off	8x 01 04 69 03 FF		
	(Reply)	y0 07 04 69 0p 0p 0q 0q 0q 0q FF		
CAM_ ReplyIntervalTimeSet	—	8x 01 04 6A 00 00 0p 0p FF	pp: Interval Time [Vertical timing]	OK
CAM_RegisterValue	—	8x 01 04 24 mm 0p 0p FF	mm: Register No. (=00-7F) pp: Register Value (=00-7F)	OK
CAM_ColorGain	Direct	8x 01 04 49 00 00 00 0p FF	p: Color Gain setting 0h (60%) to Eh (200%)	OK
CAM_ColorHue	Direct	8x 01 04 4F 00 00 00 0p FF	p: Color Hue setting 0h (- 14 dgreees) to Eh (+14 degrees)	OK
CAM_PrivacyZone	CenterLineOff	8x 01 04 7C 03 FF	Center Line Display Off	OK
	CenterLineOn	8x 01 04 7C 04 FF	Center Line Display On	OK
CAM_RegisterValue	Monitoring Mode	8x 01 04 24 72 00 02 FF	NTSC CVBS-16:9	OK
		8x 01 04 24 72 00 03 FF	NTSC CVBS- 4:3	OK
		8x 01 04 24 72 00 05 FF	PAL CVBS-4:3	OK
		8x 01 04 24 72 00 07 FF	PAL CVBS-16:9	OK

Query Command List

Inquiry Command	Command Packet	Inquiry Packet	Comments	OK/NG
CAM_PowerInq	8x 09 04 00 FF	y0 50 02 FF	On	OK
		y0 50 03 FF	Off (Standby)	OK
CAM_ZoomPosInq	8x 09 04 47 FF	y0 50 0p 0q 0r 0s FF	pqrs: Zoom Position	OK
CAM_FocusModeInq	8x 09 04 38 FF	y0 50 02 FF	Auto Focus	OK
		y0 50 03 FF	Manual Focus	OK
CAM_FocusPosInq	8x 09 04 48 FF	y0 50 0p 0q 0r 0s FF	pqrs: Focus Position	OK
CAM_AFSensitivityInq	8x 09 04 58 FF	y0 50 02 FF	AF Sensitivity Normal	OK
		y0 50 03 FF	AF Sensitivity Low	OK
		y0 50 04 FF	AF Sensitivity High	OK
CAM_AFModeInq	8x 09 04 57 FF	y0 50 00 FF	Normal AF	OK
		y0 50 02 FF	Zoom Trigger AF	OK
CAM_IRCorrectionInq	8x 09 04 11 FF	y0 50 02 FF	Standard	NG
		y0 50 03 FF	IR Light	NG
CAM_WBModeInq	8x 09 04 35 FF	y0 50 00 FF	Auto	OK
		y0 50 01 FF	In Door	OK
		y0 50 02 FF	Out Door	OK
		y0 50 03 FF	One Push WB	OK
		y0 50 04 FF	ATW	OK
		y0 50 05 FF	Manual	OK
CAM_RGainInq	8x 09 04 43 FF	y0 50 00 00 0p 0q FF	pq: R Gain	OK
CAM_BGainInq	8x 09 04 44 FF	y0 50 00 00 0p 0q FF	pq: B Gain	OK
CAM_AEModeInq	8x 09 04 39 FF	y0 50 00 FF	Full Auto	OK
		y0 50 03 FF	Manual	OK
		y0 50 0A FF	Shutter Priority	OK
		y0 50 0B FF	Iris Priority	OK
CAM_ShutterPosInq	8x 09 04 4A FF	y0 50 00 00 0p 0q FF	pq: Shutter Position	OK
CAM_IrisPosInq	8x 09 04 4B FF	y0 50 00 00 0p 0q FF	pq: Iris Position	OK
CAM_GainPosInq	8x 09 04 4C FF	y0 50 00 00 0p 0q FF	pq: Gain Position	OK
CAM_GainLimitInq	8x 09 04 2C FF	y0 50 0q FF	p: Gain Limit	OK
CAM_ExpCompModeInq	8x 09 04 3E FF	y0 50 02 FF	On	OK
		y0 50 03 FF	Off	OK
CAM_ExpCompPosInq	8x 09 04 4E FF	y0 50 00 00 0p 0q FF	pq: ExpComp Position	OK
CAM_LightModeInq	8x 09 04 33 FF	y0 50 02 FF	BLC On	OK
		y0 50 03 FF	Off	OK
		y0 50 04 FF	DLC On	OK
CAM_WDModeInq	8x 09 04 3D FF	y0 50 02 FF	On Wide-D	OK
		y0 50 03 FF	Off	OK
CAM_ApertureInq	8x 09 04 42 FF	y0 50 00 00 0p 0q FF	pq: Aperture Gain	OK

Inquiry Command	Command Packet	Inquiry Packet	Comments	OK/NG
CAM_NRModeInq	8x 09 04 53 FF	y0 50 0p FF	Noise Reduction p: 0 to 5	OK

CAM_GammaInq	8x 09 04 5B FF	y0 50 0p FF	Gamma p: 0 to 4	OK
CAM_LR_ReverseModeInq	8x 09 04 61 FF	y0 50 02 FF	On	OK
		y0 50 03 FF	Off	OK
*CAM_FreezeModeInq	8x 09 04 62 FF	y0 50 02 FF	On	NG
		y0 50 03 FF	Off	NG
CAM_PictureEffectModeInq	8x 09 04 63 FF	y0 50 00 FF	Off	NG
		y0 50 04 FF	B&W	NG
CAM_PictureFlipModeInq	8x 09 04 66 FF	y0 50 02 FF	On	OK
		y0 50 03 FF	Off	OK
CAM_ICRModeInq	8x 09 04 01 FF	y0 50 02 FF	On	OK
		y0 50 03 FF	Off	OK
CAM_AutoICRModeInq	8x 09 04 51 FF	y0 50 02 FF	On	OK
		y0 50 03 FF	Off	OK
CAM_AutoICRAAlarmReplyInq	8x 09 04 31 FF	y0 50 02 FF	On	NG
		y0 50 03 FF	Off	NG
CAM_MemoryInq	8x 09 04 3F FF	y0 50 pp FF	pp: Memory number recalled last	OK
CAM_MemSaveInq	8x 09 04 23 0X FF	y0 50 0p 0p 0q 0q FF	X: 00 to 07 (Address) ppqq: 0x0000 to 0xFFFF (Data)	OK
CAM_DisplayModeInq	8x 09 04 15 FF	y0 50 02 FF	On	NG
	(8x 09 06 06 FF)	y0 50 03 FF	Off	NG
CAM_TitleDisplayModeInq	8x 09 04 74 FF	y0 50 02 FF	On	NG
	(8x 09 06 06 FF)	y0 50 03 FF	Off	NG
CAM_IDInq	8x 09 04 22 FF	y0 50 0p 0q 0r 0s FF	pqrs: Camera ID	OK
CAM_VersionInq	8x 09 00 02 FF	y0 50 00 20 mn pq rs tu vw FF	mnpq: Model Code (04xx) rstu: ROM version vw: Socket Number (=02)	OK
CAM_ContinuousZoomPosReplyModeInq	8x 09 04 69 FF	y0 50 02 FF	On	OK
		y0 50 03 FF	Off	OK
CAM_ReplyIntervalTimeInq	8x 09 04 6A FF	y0 50 00 00 0p 0p FF	pp: Interval Time	OK
CAM_RegisterValueInq	8x 09 04 24 mm FF	y0 50 0p 0p ff	mm: Register No. (00 to 7F) pp: Register Value (00 to FF)	OK
CAM_ColorGainInq	8x 09 04 49 FF	y0 50 00 00 00 0p FF	p: Color Gain setting 0h (60%) to Eh (200%)	OK
CAM_ColorHueInq	8x 09 04 4F FF	y0 50 00 00 00 0p FF	p: Color Hue setting 0h (-14 degrees) to Eh (+14 degrees)	OK
CAM_TempInq	8x 09 04 68 FF	Y0 50 00 00 0p 0q FF	pq: Temperature *Lens temperature	OK