

Control Commands

Model No. PT-VMZ71
PT-VMZ61
PT-VMZ51
PT-VMZ51S
PT-VMZ5ES
PT-VMZ41
PT-VMW61
PT-VMW51
PT-BMX51



- Please refer to the Operating Instructions for the serial command format, limitations, connection and other details.
- シリアルコマンドのフォーマット、制限事項、接続方法およびその他詳細につきましては、各モデルの取扱説明書をご覧ください。
- 有关串行控制命令的格式、限制事项、连接方法以及其他详情、请参阅各机型的使用说明书。

Panasonic

CATEGORY		FUNCTION	Parameter/Name	Sub-Parameter	CONTROL COMMANDS/CALL BACK	QUERY COMMANDS	CALL BACK	VMZ71 SERIES										ZSES SERI	
BASIC OPERATION REMOTE CONTROL	POWER	ON	OFF (STANDBY)		PON POF	QPW	001 000	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓			
	VOLUME	UP DOWN			AUU AUD			✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓			
	INPUT SELECT	COMPUTER1 COMPUTER2 HDMI1 HDMI2 NETWORK/USB MEMORY VIEWER DIGITAL LINK			IIS:RG1 IIS:RG2 IIS:HD1 IIS:HD2 IIS:NWP IIS:MV1 IIS:DL1	QIN	RG1 RG2 HD1 HD2 NWP MV1 DL1	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓				
		INPUT SELECT (DIGITAL LINK)	COMPUTER1 COMPUTER2 VIDEO HDMI1 HDMI2 S-VIDEO			IIS:DL1:PC1 IIS:DL1:PC2 IIS:DL1:VID IIS:DL1:HD1 IIS:DL1:HD2 IIS:DL1:SVD	QIN	DL1:PC1 DL1:PC2 DL1:VID DL1:HD1 DL1:HD2 DL1:SVD	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓				
			FREEZE	OFF ON			OFZ:0 OFZ:1	QFZ	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
			FREEZE (Toggle)	OFF ON			OFZ	QFZ	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
			MENU KEY RETURN KEY ENTER KEY UP KEY DOWN KEY LEFT KEY RIGHT KEY DEFAULT KEY AUTO SETUP KEY AUTO SETUP				OMN OBK OEN OCU OCD OCL OCR OST OAS OAS			✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		
	SHUTTER		OFF ON			OAS OAS	QAS	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
		SHUTTER	OFF ON			OSH:0 OSH:1	QSH	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓		
			SHUTTER(Toggle)	OFF ON			OSH	QSH	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
		DIGITAL ZOOM UP DIGITAL ZOOM DOWN FUNCTION KEY				DZU DZD FC1			✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓		
		ASPECT KEY	AUTO/VID AUTO/DEFAULT NORMAL(4:3) WIDE(16:9) NATIVE(through) FULL(HV FIT) H-FIT V-FIT			VS1	QS1	0 1 2 5 6 9 10	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓		
			ECO				OEC			✓	✓	✓	✓	✓	✓	✓	✓	✓	
			NUMERIC KEY	0 1 2 3 4 5 6 7 8 9			ONK:0 ONK:1 ONK:2 ONK:3 ONK:4 ONK:5 ONK:6 ONK:7 ONK:8 ONK:9			✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓		
				STATUS KEY LENS FOCUS KEY P-TIMER SCREEN ADJUSTMENT AUDIO MUTE				STS OLF PTM OSA			✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	
				SELF DIAGNOSIS	OFF ON			AMT:0 AMT:1	QMT	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
								QVX:ERRS1	ERRS1=*****	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		PICTURE		PICTURE MODE	DYNAMIC NATURAL STANDARD WHITE BOARD CINEMA DICOM SIM.			VPM:DYN VPM:NAT VPM:STD VPM:WBD VPM:CIN VPM:DIC	QPM	DYN NAT STD WBD CIN DIC	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	
					CONTRAST	-32 +32			VCN:-32 VCN:032	QVR	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
						BRIGHTNESS	-32 +32			VBR:-32 VBR:032	QVB	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
					COLOR		-32 +32			VCO:-32 VCO:032	QVC	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
						TINT	-32 +32			VTN:-32 VTN:032	QVT	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
			SHARPNESS		0 15				VSR:000 VSR:015	QVS	000 015	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
	COLOR TEMPERATURE			LOW DEFAULT(MIDDLE) HIGH			OTE:0 OTE:1 OTE:2	QTE	0 1 2	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	
			GAMMA(PRESET)	-8 +7			VXX:GAMI1=-00008 VXX:GAMI1=+00007	QVX:GAMI1	GAMI1=-00008 GAMI1=+00007	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	DAYLIGHT VIEW			OFF 1 2 3 ATUO			VXX:DLVI0=+00000 VXX:DLVI0=+00001 VXX:DLVI0=+00002 VXX:DLVI0=+00003 VXX:DLVI0=+00004	QVX:DLVI0	DLVI0=+00000 DLVI0=+00001 DLVI0=+00002 DLVI0=+00003 DLVI0=+00004	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓		
			DIGITAL CINEMA REALITY	OFF ON			OPD:0 OPD:1	QPD	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
				DYNAMIC CONTRAST/IRIS	OFF 1 2 3 USER			OAI:0 OAI:1 OAI:2 OAI:3 OAI:4	QAI	0 1 2 3 4	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	
			DYNAMIC CONTRAST (LIGHTS OUT TIMER)		DISABLE 0.0s 10.0s			VXX:DYCS2=OFF VXX:DYCS2=0.0 VXX:DYCS2=10.0	QVX:DYCS2	OFF 0.0 10.0	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	
	DYNAMIC CONTRAST (LIGHTS OUT SIGNAL LEVEL)				0 5			VXX:DYCI3=+00000 VXX:DYCI3=+00005	QVX:DYCI3	00000 00005	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
			RGB/YPbPr		RGB YPbPr AUTO			ORF:0 ORF:1 ORF:2	QRF	0 1 2	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
	CONTRAST-R			-32 +32			VC1:-032 VC1:0032	QC1	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
			CONTRAST-G	-32 +32			VC2:-032 VC2:0032	QC2	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	CONTRAST-B			-32 +32			VC3:-032 VC3:0032	QC3	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
			BRIGHTNESS-R	-32 +32			VB1:-032 VB1:0032	QB1	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	BRIGHTNESS-G			-32 +32			VB2:-032 VB2:0032	QB2	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
			BRIGHTNESS-B	-32 +32			VB3:-032 VB3:0032	QB3	-32 032	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
	RGB-SYSTEM			1280×768/60GTF 1366×768/60GTF 1400×1050/60GTF 1680×1050/60GTF 1440×900/60GTF 1600×900/50GTF 1440×900/60GTF 1600×900/60GTF			VXX:RGSS1=1280:768:60:GTF VXX:RGSS1=1366:768:60:GTF VXX:RGSS1=1400:1050:60:GTF VXX:RGSS1=1680:1050:60:GTF VXX:RGSS1=1440:900:50:GTF VXX:RGSS1=1600:900:50:GTF VXX:RGSS1=1440:900:60:GTF VXX:RGSS1=1600:900:60:GTF	QVX:RGSS1	RGSS1=1280:768:60:GTF RGSS1=1366:768:60:GTF RGSS1=1400:1050:60:GTF RGSS1=1680:1050:60:GTF RGSS1=1440:900:50:GTF RGSS1=1600:900:50:GTF RGSS1=1440:900:60:GTF RGSS1=1600:900:60:GTF	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	
			REAL TIME KEYSTONE	OFF ON			OAK:0 OAK:1	QAK	0 1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	
			DIGITAL ZOOM EXTENDER	+00000 +00100 +00099 +00098 +00097 +00096 +00095 +00094 +00093 +00092 +00091 +00090 +00089 +00088 +00087 +00086 +00085 +0008															

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				CONTROL	QUERY		VMZ71 SERIES										ZSES SERI
CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	COMMANDS/CALL BACK	COMMANDS	CALL BACK	VMZ71	VMZ61	VMW61	VMZ51	VMW51	BMX51	VMZ41	VMZ51S	VMZ5ES		
DISPLAY OPTION		DOUBLE		VXX:OSZ11=+00200		OSZ11=+00200	✓										
	WARNING MESSAGE	OFF		VXX:WMDI0=+00000	QVX:WMDI0	WMDI0=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		ON		VXX:WMDI0=+00001		WMDI0=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SCREEN SETTING	16:10		VSF:0	QSF	0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		16:9		VSF:1		1	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		4:3		VSF:2		2	✓		✓	✓	✓	✓	✓	✓	✓		
		17:9		VSF:3		3		✓	✓	✓		✓	✓	✓	✓		
		21:9		VSF:4		4									✓	✓	
	SCREEN POSITION-VERTICAL	LOWER		VXX:VSPI1=+00000	QVX:VSPI1	VSPI1=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		CENTER		VXX:VSPI1=+00001		VSPI1=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		UPPER		VXX:VSPI1=+00002		VSPI1=+00002	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SCREEN POSITION-HORIZONTAL	LEFT		VXX:HSP11=+00000	QVX:HSP11	HSP11=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		CENTER		VXX:HSP11=+00001		HSP11=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		RIGHT		VXX:HSP11=+00002		HSP11=+00002	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	STARTUP LOGO	OFF		MLO:0	QLO	0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		USER LOGO		MLO:1		1	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		DEFAULT LOGO		MLO:2		2	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		USER IMAGE設定		MLO:11		MLO:11			✓				✓	✓	✓		
	UNIFORMITY-USER CORRECTION *	OFF		VXX:UFMI1=+00000	QVX:UFMI1	UFMI1=+00000									✓		
		ON(PC)		VXX:UFMI1=+00001		UFMI1=+00001									✓		
	UNIFORMITY - USER CORRECTION - ADJUSTMENT LEVEL	<i>min.</i>		VXX:UFMI4=+00001	QVX:UFMI4	UFMI4=+00001									✓		
		<i>max.</i>		VXX:UFMI4=+00007		UFMI4=+00007									✓		
	UNIFORMITY - USER CORRECTION - TEST PATTERN	OFF		VXX:UFMI5=+00000	QVX:UFMI5	UFMI5=+00000									✓		
		ON		VXX:UFMI5=+00001		UFMI5=+00001									✓		
	UNIFORMITY - USER CORRECTION - ADJUSTMENT POSITION	* PARAMETER		VXX:UFMS6=*:*:*****	QVX:UFMS6=*:*	UFMS6=*:*:*****										✓	
		* PARAMETER1	UPPER LEFT	VXX:UFMS6=0:*:*:*****		UFMS6=0:*:*:*****											✓
			UPPER RIGHT	VXX:UFMS6=1:*:*:*****		UFMS6=1:*:*:*****											✓
			LOWER LEFT	VXX:UFMS6=2:*:*:*****		UFMS6=2:*:*:*****											✓
			LOWER RIGHT	VXX:UFMS6=3:*:*:*****		UFMS6=3:*:*:*****											✓
			UPPER	VXX:UFMS6=4:*:*:*****		UFMS6=4:*:*:*****											✓
			LOWER	VXX:UFMS6=5:*:*:*****		UFMS6=5:*:*:*****											✓
		* PARAMETER2	LEFT	VXX:UFMS6=6:*:*:*****		UFMS6=6:*:*:*****											✓
RIGHT			VXX:UFMS6=7:*:*:*****	UFMS6=7:*:*:*****												✓	
RED			VXX:UFMS6=*:R:*****	UFMS6=*:R:*****												✓	
* PARAMETER3		GREEN	VXX:UFMS6=*:G:*****	UFMS6=*:G:*****												✓	
		BLUE	VXX:UFMS6=*:B:*****	UFMS6=*:B:*****												✓	
		<i>min.</i>	VXX:UFMS6=*:*:-00031	UFMS6=*:*:-00031												✓	
		0	VXX:UFMS6=*:*:+00000	UFMS6=*:*:+00000												✓	
		<i>max.</i>	VXX:UFMS6=*:*:+00031	UFMS6=*:*:+00031												✓	
UNIFORMITY - USER CORRECTION - ADJUSTMENT POSITION - INITILIZE	EXECUTE		VXX:UFMI7=+00001												✓		
ZOOM CORRECTION	VXX:UZCI1=+00000	Range 00000 to +00008	VXX:UZCI1=+00000	QVX:UZCI1	UZCI1=+00000										✓		
	VXX:UZCI1=+00008		VXX:UZCI1=+00008										✓				
SHUTTER SETTING-STARTUP	OPEN		VXX:SEFI3=+00000	QVX:SEFI3	SEFI3=+00000										✓		
	CLOSE		VXX:SEFI3=+00001		SEFI3=+00001										✓		
AUTO SETUP SETTING	BUTTON		OSS:0	QVX:ASSI1	ASSI1=+00002	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	AUTO		OSS:1		ASSI1=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
SIGNAL SEARCH	OFF		OSR:0	QSR	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ON		OSR:1		1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
BACK COLOR	BLUE		OBC:0	QBC	0	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	BLACK		OBC:1		1	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	DEFAULT LOGO		OBC:2		2	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	USER LOGO		OBC:3		3	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BACK COLOR	BLUE		OBC:0	QBC	0										✓		
	BLACK		OBC:1		1										✓		
	USER LOGO		OBC:2		2										✓		
	USER IMAGE1		OBC:11		11										✓		
P-TIMER-MODE	COUNT DOWN		VXX:PTMI1=+00000	QVX:PTMI1	PTMI1=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	COUNT UP		VXX:PTMI1=+00001		PTMI1=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓			
P-TIMER-COUNT DOWN TIMER	1 MIN.		VXX:PTMI2=+00001	QVX:PTMI2	PTMI2=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	180 MIN.		VXX:PTMI2=+00180		PTMI2=+00180	✓	✓	✓	✓	✓	✓	✓	✓	✓			
P-TIMER-RESET	RESET		VXX:PTMI3=+00000			✓	✓	✓	✓	✓	✓	✓	✓	✓			
P-TIMER-EXIT	EXIT		VXX:PTMI4=+00000			✓	✓	✓	✓	✓	✓	✓	✓	✓			
PROJECTO R SETUP	STATUS			STS			✓	✓	✓	✓	✓	✓	✓	✓	✓		
	PROJECTOR ID	0(ALL)		RIS:00			✓	✓	✓	✓	✓	✓	✓	✓	✓		
		64		RIS:64			✓	✓	✓	✓	✓	✓	✓	✓	✓		
	PROJECTION METHOD INSTALLATION	FRONT/DESK		OIL:0	QSP	0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		REAR/DESK		OIL:1		1	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		FRONT/CEILING		OIL:2		2	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		REAR/CEILING		OIL:3		3	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		FRONT/AUTO		OIL:4		4	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	LIGHT POWER	NORMAL		VXX:LPWI1=+00000	QLP	LPWI1=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		ECO		VXX:LPWI1=+00001		LPWI1=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		QUIET		VXX:LPWI1=+00040		LPWI1=+00040	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		QUIET2		VXX:LPWI1=+00041		LPWI1=+00041	✓			✓	✓	✓	✓	✓	✓		
		USER		VXX:LPWI1=+00100		LPWI1=+00100	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	LIGHT OUTPUT	<i>min.</i>		VXX:LOPI2=+00050	QVX:LOPI2	LOPI2=+00050	50%	50%	50%	50%	50%	50%	50%	50%			
		<i>max.</i>		VXX:LOPI2=+01000		LOPI2=+01000	100%	100%	100%	100%	100%	100%	100%	100%			
	ECO MANAGEMENT-AUTO POWER SAVE	OFF		VXX:ECOI0=+00000	QVX:ECOI0	ECOI0=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		ON		VXX:ECOI0=+00001		ECOI0=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ECO MANAGEMENT-AMBIENT LIGHT DETECTION	OFF		VXX:ECOI1=+00000	QVX:ECOI1	ECOI1=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		ON		VXX:ECOI1=+00001		ECOI1=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ECO MANAGEMENT-SIGNAL DETECTION	OFF		VXX:ECOI2=+00000	QVX:ECOI2	ECOI2=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		ON		VXX:ECOI2=+00001		ECOI2=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	POWER MANAGEMENT	OFF		VXX:ECOI5=+00000	QVX:ECOI5	ECOI5=+00000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		READY		VXX:ECOI5=+00001		ECOI5=+00001	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		SHUTDOWN		VXX:ECOI5=+00002		ECOI5=+00002	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	POWER MANAGEMENT-TIMER	5 MIN		VXX:ECOI6=+00005	QVX:ECOI6	ECOI6=+00005	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		120 MIN		VXX:ECOI6=+00120		ECOI6=+00120	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ECO MANAGEMENT-IMAGE DETECTION	OFF		VXX:ECOI7=+00000	QVX:ECOI7	ECOI7=+00000											

				CONTROL	QUERY		VMZ71 SERIES										Z2SES SERI
CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	COMMANDS/CALL BACK	COMMANDS	CALL BACK	VMZ71	VMZ61	VMW61	VMZ51	VMW51	BMX51	VMZ41	VMZ51S	VMZ5ES		
CONTROL		15000H		VXX: FCTI1=+17000		FCTI1=+17000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		15000H		VXX: FCTI1=+18000		FCTI1=+18000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		15000H		VXX: FCTI1=+19000		FCTI1=+19000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		16000H		VXX: FCTI1=+20000		FCTI1=+20000	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	FILTER COUNTER-RESET			VXX: FCTI2=+00000			✓	✓	✓	✓	✓	✓	✓	✓	✓		
	MODEL NAME	MODEL NAME			QID	MODELNAME	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SERIAL NUMBER	SW0101234			QSN	SW0101234	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	PROJECTOR RUNTIME	99999H			QVX: RTMI0	RTMI0=+99999	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	LAMP RUNTIME	9999H			Q\$L	9999	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	LIGHT1 RUNTIME	7864320H			QVX: LRTS3=00	LRTS3=00:7864320	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	LIGHT STATUS	ALL OFF			QLS	0									✓		
		1:ON, 2:OFF				1									✓		
	LAMP(LIGHT) CONTROL STATUS	LAMP OFF			Q\$S	0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		In turning ON				1	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		LAMP ON				2	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		LAMP Cooling				3	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	AIR FILTER MODEL NUMBER	FILTER MODELNAME			QVX: FMNS0	FMNS0=FILTERMODELNO									✓		
	FILTER COUNTER	99999H			QFI: 0	99999	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	MAC ADDRESS	AB0102030405			QMA	AB0102030405	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	MAIN FIRMWARE VERSION	V1.00.01			QVX: SVRS0	SVRS0=1.00.01									✓		
	SUB FIRMWARE VERSION	V1.00.01			QVX: SVRS2	SVRS2=1.00.01									✓		
	TEMPERATURE (INTAKE)	0030/0080			QTM: 0	0030/0080	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	TEMPERATURE (EXHAUST AIR)	0030/0080			QTM: 1	0030/0080	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	TEMPERATURE (FILTER)	0030/0080			QTM: 3	0030/0080	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	TEMPERATURE (LIGHT1 / LIGHT1-B)	0030/0080			QTM: 11	0030/0080	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	TEMPERATURE (LIGHT2 / LIGHT1-S)	0030/0080			QTM: 12	0030/0080				✓	✓	✓	✓	✓	✓		
	LAN data Cloning Write protect	OFF		LCL: WRP0	QCL: WRP	QCL: WRP0									✓		
		ON		LCL: WRP1		QCL: WRP1									✓		
	HDMI-CEC	OFF		SHC: FNC0	QHC: FNC	QHC: FNC0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		ON		SHC: FNC1		QHC: FNC1	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	HDMI-CEC HDMI1 (Change Device)	NEXT		SHC: HM1NXT			✓	✓	✓	✓	✓	✓	✓	✓	✓		
		PREVIEW		SHC: HM1PRE			✓	✓	✓	✓	✓	✓	✓	✓	✓		
	HDMI-CEC HDMI1 (Get Device Name)	DEVICE NAME			QHC: HM1	QHC: HM1DEVICENAME	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	HDMI-CEC HDMI12 (Change Device)	NEXT		SHC: HM2NXT			✓	✓	✓	✓	✓	✓	✓	✓	✓		
		PREVIEW		SHC: HM2PRE			✓	✓	✓	✓	✓	✓	✓	✓	✓		
	HDMI-CEC HDMI12 (Get Device Name)	DEVICE NAME			QHC: HM2	QHC: HM2DEVICENAME	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	HDMI-CEC - MENU CODE	0x09 (ROOT)		SHC: MNC1	QHC: MNC	QHC: MNC1	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		0x0A (SETUP)		SHC: MNC2		QHC: MNC2	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		0x0B (CONTENTS)		SHC: MNC3		QHC: MNC3	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		0x0C (FAVORITE)		SHC: MNC4		QHC: MNC4	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		0x10 (MEDIA TOP)		SHC: MNC5		QHC: MNC5	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		0x11 (MEDIA POP UP)		SHC: MNC6		QHC: MNC6	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	HDMI-CEC - PROJECTOR -> DEVICE	DISABLE		SHC: PTSOFF	QHC: PTS	QHC: PTSOFF	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		POWER OFF		SHC: PTSPOF		QHC: PTSPOF	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		POWER ON/OFF		SHC: PTSPWR		QHC: PTSPWR	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	HDMI-CEC - DEVICE -> PROJECTOR	DISABLE		SHC: STPOFF	QHC: STP	QHC: STPOFF	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		POWER ON		SHC: STPPON		QHC: STPPON	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		POWER ON/OFF		SHC: STPPWR		QHC: STPPWR	✓	✓	✓	✓	✓	✓	✓	✓	✓		
TEST PATTERN	TEST PATTERN	Off		OTS: 00	QTS	00	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		White		OTS: 01		01	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Black		OTS: 02		02									✓		
		Cross Hatch		OTS: 07		07	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Color Bar V		OTS: 08		08	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Convergence		OTS: 11		11									✓		
		Black Cross on White		OTS: 18		18	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		White Cross on Black		OTS: 19		19	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		CROSS_HATCH2(70%)		OTS: 30		30									✓		
		Color Bar H		OTS: 39		39									✓		
		Color Bar Side		OTS: 51		51	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		16:9/4:3		OTS: 52		52									✓		
				OTS: 59		59									✓		
	USER TEST PATTERN - DELETE USER TEST PATTERN	USER TEST PATTERN 1 - DELETE		VXX: TPNS2=01											✓		
SECURITY	CONTROL DEVICE SETUP-CONTROL PANEL	DISABLE		VXX: CDSI1=+00000	QVX: CDSI1	CDSI1=+00000									✓		
		ENABLE		VXX: CDSI1=+00001		CDSI1=+00001									✓		
	CONTROL DEVICE SETUP-REMOTE CONTROL	DISABLE		VXX: CDSI2=+00000	QVX: CDSI2	CDSI2=+00000									✓		
		ENABLE		VXX: CDSI2=+00001		CDSI2=+00001									✓		
NETWORK	DIGITAL LINK MODE	AUTO		VXX: DKMI1=+00001	QVX: DKMI1	DKMI1=+00001	✓	✓	✓	✓	✓						
		DIGITAL LINK		VXX: DKMI1=+00002		DKMI1=+00002	✓	✓	✓	✓	✓						
		ETHERNET		VXX: DKMI1=+00003		DKMI1=+00003	✓	✓	✓	✓	✓						
		LONG REACH MODE		VXX: DKMI1=+00004		DKMI1=+00004	✓	✓	✓	✓	✓						
	DIGITAL LINK-DUPLEX(Ethernet)	Auto negotiation		VXX: DKDI1=+00000	QVX: DKDI1	DKDI1=+00000	✓	✓	✓	✓	✓						
		100BaseTX-Full		VXX: DKDI1=+00001		DKDI1=+00001	✓	✓	✓	✓	✓						
		100BaseTX-Half		VXX: DKDI1=+00002		DKDI1=+00002	✓	✓	✓	✓	✓						
	DIGITAL LINK-DUPLEX(DIGITAL LINK)	Auto negotiation		VXX: DKDI2=+00000	QVX: DKDI2	DKDI2=+00000	✓	✓	✓	✓	✓						
		100BaseTX-Full		VXX: DKDI2=+00001		DKDI2=+00001	✓	✓	✓	✓	✓						
		100BaseTX-Half		VXX: DKDI2=+00002		DKDI2=+00002	✓	✓	✓	✓	✓						
	DIGITAL LINK STATUS-LINK	NO LINK			QVX: DKSI1	DKSI1=+00000	✓	✓	✓	✓	✓						
		DIGITAL LINK				DKSI1=+00001	✓	✓	✓	✓	✓						
		LPM				DKSI1=+00002	✓	✓	✓	✓	✓						
		ETHERNET				DKSI1=+00003	✓	✓	✓	✓	✓						
	DIGITAL LINK STATUS-HDCP STATUS	NO SIGNAL			QVX: DKSI2	DKSI2=+00000	✓	✓	✓	✓	✓						
		OFF				DKSI2=+00001	✓	✓	✓	✓	✓						
	ON				DKSI2=+00002	✓	✓	✓	✓	✓							
DIGITAL LINK STATUS-SIGNAL QUALITY (MIN)	-255			QVX: DKSI3	DKSI3=-00255	✓	✓	✓	✓	✓							
	0				DKSI3=+00000	✓	✓	✓	✓	✓							
DIGITAL LINK STATUS-SIGNAL QUALITY (MAX)	-255			QVX: DKSI4	DKSI4=-00255	✓	✓	✓	✓	✓							
	0				DKSI4=+00000	✓	✓	✓	✓	✓							

Note: The commands or parameters with "*" shows available commands or parameters for the projector which has been activated by the Upgrade Kit.