

Control Commands

Model No. PT-CMZ50



- 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	QUERY		CMZ50 SERIES	
				COMMANDS/CALL BACK	COMMANDS	CALL BACK	CMZ50	
BASIC OPERATION	POWER	ON OFF (STANDBY)		PON POF	QPW	001 000	✓ ✓	
	VOLUME	UP DOWN		AUU AUD			✓ ✓	
	INPUT SELECT	COMPUTER1 HDMI1 HDMI2 NETWORK/USB MEMORY VIEWER DIGITAL LINK		IIS:RG1 IIS:HD1 IIS:HD2 IIS:NWP IIS:MV1 IIS:DL1	QIN	RG1 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			OMN			✓	
	RETURN KEY			OBK			✓	
	ENTER KEY			OEN			✓	
	UP KEY			OCU			✓	
	DOWN KEY			ODC			✓	
	LEFT KEY			OCL			✓	
	RIGHT KEY			OCR			✓	
	DEFAULT KEY			OST			✓	
	AUTO SETUP KEY			OAS			✓	
	AUTO SETUP	ON OFF		OAS	QAS	0 1	✓ ✓	
	REMOTE CONTROL	SHUTTER	OFF ON		OSH:0 OSH:1	QSH	0 1	✓ ✓
		SHUTTER(Toggle)	OFF ON		OSH	QSH	0 1	✓ ✓
		DIGITAL ZOOM UP			DZU			✓
		DIGITAL ZOOM DOWN			DZD			✓
		FUNCTION KEY			FC1			✓
		ECC			OEC			✓
		NUMERIC KEY	1 2 3 4 5 6		ONK:1 ONK:2 ONK:3 ONK:4 ONK:5 ONK:6			✓ ✓ ✓ ✓ ✓ ✓
		LENS FOCUS	SLOW+ SLOW- NORMAL+ NORMAL-		VXX:LNSI4=+00000 VXX:LNSI4=+00001 VXX:LNSI4=+00100 VXX:LNSI4=+00101			✓ ✓ ✓ ✓
		LENS PERIPHERY FOCUS	SLOW+ SLOW- NORMAL+ NORMAL-		VXX:LNSI6=+00000 VXX:LNSI6=+00001 VXX:LNSI6=+00100 VXX:LNSI6=+00101			✓ ✓ ✓ ✓
		LENS FOCUS PATTERN	PATTERN OFF PATTERN ON		VXX:OFTI1=+00000 VXX:OFTI1=+00001	QVX:OFTI1	OFTI1=+00000 OFTI1=+00001	✓ ✓
		STATUS KEY			STS			✓
		P-TIMER			PTM			✓
		SCREEN ADJUSTMENT			OSA			✓
		AUDIO MUTE	OFF ON		AMT:0 AMT:1	QMT	0 1	✓ ✓
SELF DIAGNOSIS					QVX:ERRS1	ERRS1=*****	✓	
PICTURE	PICTURE MODE	DYNAMIC NATURAL STANDARD WHITE BOARD CINEMA DICOM SIM. MULTI-PROJECTION		VPM:DYN VPM:NAT VPM:STD VPM:WBD VPM:CIN VPM:DIC VPM:MLT	QPM	DYN NAT STD WBD CIN DIC MLT	✓ ✓ ✓ ✓ ✓ ✓ ✓	
	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 AUTO 1 2 3		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/YpPr	RGB YpPr 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 1440×900/50GTF		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	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	✓ ✓ ✓ ✓ ✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL	QUERY		CMZ50 SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK	CMZ50
ADVANCE D	FRAME LOCK	V-FIT OFF ON		VSE:10 VFL:0 VFL:1		10 0 1	✓ ✓ ✓
	ZOOM-ZOOMSHIFT	ZOOMSHIFT-H ZOOMSHIFT-V		VXX:OZMI1=+0000 VXX:OZMI2=+0000	QVX:OZMI1 QVX:OZMI2	+0000 +0000	✓ ✓
	MULTI IMAGE PROJECTION	MANUAL AUTO		VXX:MIP11=+0000 VXX:MIP11=+00001		00000 00001	✓ ✓
	MULTI IMAGE PROJECTION -NUMBER OF PR	2 3 4		VXX:MIP12=+00002 VXX:MIP12=+00003 VXX:MIP12=+00004	QVX:MIP12	00002 00003 00004	✓ ✓ ✓
	MULTI IMAGE PROJECTION -ORDER	1 2 3 4		VXX:MIP13=+00001 VXX:MIP13=+00002 VXX:MIP13=+00003 VXX:MIP13=+00004	QVX:MIP13	00001 00002 00003 00004	✓ ✓ ✓ ✓
	EDGE BLENDING	OFF ON		VXX:EDBI0=+00000 VXX:EDBI0=+00001	QVX:EDBI0	EDBI0=+00000 EDBI0=+00001	✓ ✓
	EDGE BLENDING-UPPER ON/OFF	OFF ON		VGU:0 VGU:1	QGU	0 1	✓ ✓
	EDGE BLENDING-LOWER ON/OFF	OFF ON		VGB:0 VGB:1	QGB	0 1	✓ ✓
	EDGE BLENDING-LEFT ON/OFF	OFF ON		VGL:0 VGL:1	QGL	0 1	✓ ✓
	EDGE BLENDING-RIGHT ON/OFF	OFF ON		VGR:0 VGR:1	QGR	0 1	✓ ✓
	EDGE BLENDING-START-UPPER	min. max.		VEU:0000 VEU:2272	QEU	0000 2272	✓ ✓
	EDGE BLENDING-START-LOWER	min. max.		VEB:0000 VEB:2272	QEB	0000 2272	✓ ✓
	EDGE BLENDING-START-LEFT	min. max.		VEL:0000 VEL:3712	QEL	0000 3712	✓ ✓
	EDGE BLENDING-START-RIGHT	min. max.		VER:0000 VER:3712	QER	0000 3712	✓ ✓
	EDGE BLENDING-WIDTH-UPPER	min. max.		VXX:EUWI0=+00000 VXX:EUWI0=+02272	QVX:EUWI0	EUWI0=+00000 EUWI0=+02272	✓ ✓
	EDGE BLENDING-WIDTH-LOWER	min. max.		VXX:EBWI0=+00000 VXX:EBWI0=+02272	QVX:EBWI0	EBWI0=+00000 EBWI0=+02272	✓ ✓
EDGE BLENDING-WIDTH-LEFT	min. max.		VXX:ELWI0=+00000 VXX:ELWI0=+03712	QVX:ELWI0	ELWI0=+00000 ELWI0=+03712	✓ ✓	
EDGE BLENDING-WIDTH-RIGHT	min. max.		VXX:ERWI0=+00000 VXX:ERWI0=+03712	QVX:ERWI0	ERWI0=+00000 ERWI0=+03712	✓ ✓	
EDGE BLENDING-MARKER-ON/OFF	OFF ON		VGM:0 VGM:1	QGM	0 1	✓ ✓	
EDGE BLENDING-NON-OVERLAPPED BLACK LEVEL	0 (W,R,G,B) 255 (W,R,G,B)		VJI:000,000,000,000 VJI:255,255,255,255	QJI	000,000,000,000 255,255,255,255	✓ ✓	
EDGE BLENDING-NON-OVERLAPPED BLACK LEVEL-INTERLOCKED	OFF ON		VXX:EBI1=+00000 VXX:EBI1=+00001	QVX:EBI1	EBI1=+00000 EBI1=+00001	✓ ✓	
EDGE BLENDING-BLACK BORDER WIDTH-UPPER KEYSTONE AREA	min. max.		VXX:EBB14=-02272 VXX:EBB14=+02272	QVX:EBB14	EBB14=-02272 EBB14=+02272	✓ ✓	
EDGE BLENDING-BLACK BORDER WIDTH-LOWER KEYSTONE AREA	min. max.		VXX:EBB15=-02272 VXX:EBB15=+02272	QVX:EBB15	EBB15=-02272 EBB15=+02272	✓ ✓	
EDGE BLENDING-BLACK BORDER WIDTH-LEFT KEYSTONE AREA	min. max.		VXX:EBB16=-03712 VXX:EBB16=+03712	QVX:EBB16	EBB16=-03712 EBB16=+03712	✓ ✓	
EDGE BLENDING-BLACK BORDER WIDTH-RIGHT KEYSTONE AREA	min. max.		VXX:EBB17=-03712 VXX:EBB17=+03712	QVX:EBB17	EBB17=-03712 EBB17=+03712	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-UPPER	0 (W,R,G,B) 255 (W,R,G,B)		VXX:EBBS0=000,000,000,000 VXX:EBBS0=255,255,255,255	QVX:EBBS0	EBBS0=000,000,000,000 EBBS0=255,255,255,255	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-LOWER	0 (W,R,G,B) 255 (W,R,G,B)		VXX:EBBS1=000,000,000,000 VXX:EBBS1=255,255,255,255	QVX:EBBS1	EBBS1=000,000,000,000 EBBS1=255,255,255,255	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-LEFT	0 (W,R,G,B) 255 (W,R,G,B)		VXX:EBBS2=000,000,000,000 VXX:EBBS2=255,255,255,255	QVX:EBBS2	EBBS2=000,000,000,000 EBBS2=255,255,255,255	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-RIGHT	0 (W,R,G,B) 255 (W,R,G,B)		VXX:EBBS3=000,000,000,000 VXX:EBBS3=255,255,255,255	QVX:EBBS3	EBBS3=000,000,000,000 EBBS3=255,255,255,255	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-UPPER INTERLOCKED	OFF ON		VXX:EBI3=+00000 VXX:EBI3=+00001	QVX:EBI3	EBI3=+00000 EBI3=+00001	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-LOWER INTERLOCKED	OFF ON		VXX:EBI4=+00000 VXX:EBI4=+00001	QVX:EBI4	EBI4=+00000 EBI4=+00001	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-LEFT INTERLOCKED	OFF ON		VXX:EBI5=+00000 VXX:EBI5=+00001	QVX:EBI5	EBI5=+00000 EBI5=+00001	✓ ✓	
EDGE BLENDING-OVERLAPPED BLACK LEVEL-RIGHT INTERLOCKED	OFF ON		VXX:EBI6=+00000 VXX:EBI6=+00001	QVX:EBI6	EBI6=+00000 EBI6=+00001	✓ ✓	
EDGE BLENDING-AUTO TESTPATTERN	OFF ON		VXX:EAT11=+00000 VXX:EAT11=+00001	QVX:EAT11	EAT11=+00000 EAT11=+00001	✓ ✓	
EDGE BLENDING-BLACK BORDER ADJUST POINT	UPPER-3 point UPPER-11 point LOWER-3 point LOWER-11 point LEFT-3 point LEFT-11 point RIGHT-3 point RIGHT-11 point		VXX:EBB8=1:00003 VXX:EBB8=1:00011 VXX:EBB8=2:00003 VXX:EBB8=2:00011 VXX:EBB8=3:00003 VXX:EBB8=3:00011 VXX:EBB8=4:00003 VXX:EBB8=4:00011	QVX:EBB8=1 QVX:EBB8=2 QVX:EBB8=3 QVX:EBB8=4	EBB8=1:00003 EBB8=1:00011 EBB8=2:00003 EBB8=2:00011 EBB8=3:00003 EBB8=3:00011 EBB8=4:00003 EBB8=4:00011	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	
EDGE BLENDING -BLENDING CURVE	OFF ON		VXX:EBCI1=+00000 VXX:EBCI1=+00001	QVX:EBCI1	EBCI1=+00000 EBCI1=+00001	✓ ✓	
EDGE BLENDING -BLENDING CURVE-	OFF WHITE H ColorBar V ColorBar H 16Gray V 16Gray		VXX:EBCI2=+00000 VXX:EBCI2=+00001 VXX:EBCI2=+00002 VXX:EBCI2=+00003 VXX:EBCI2=+00004 VXX:EBCI2=+00005	QVX:EBCI2	EBCI2=+00000 EBCI2=+00001 EBCI2=+00002 EBCI2=+00003 EBCI2=+00004 EBCI2=+00005	✓ ✓ ✓ ✓ ✓ ✓	
EDGE BLENDING -BLENDING CURVE-LEVEL	0 15		VXX:EBCI3=+00000 VXX:EBCI3=+00015	QVX:EBCI3	00000 00015	✓ ✓	
DISPLAY LANGUAGE	LANGUAGE	English German French Spanish Italian Japanese Chinese Russian Korea Portuguse Swedish Norwegian Danish Polish Czech Hungarian Thai Dutch Finnish Romanian Turkish Arabic Kazakh Vietnamese Traditional Chinese		OLG:ENG OLG:DEU OLG:FRA OLG:ESP OLG:ITL OLG:JPN OLG:CHI OLG:RUS OLG:KOR OLG:POR OLG:SVE OLG:NOR OLG:DAN OLG:POL OLG:CES OLG:MAG OLG:THA OLG:NLD OLG:FIN OLG:RUM OLG:TUR OLG:ARA OLG:KAZ OLG:VIE OLG:TCC	QLG	ENG DEU FRA ESP ITL JPN CHI RUS KOR POR SVE NOR DAN POL CES MAG THA NLD FIN RUM TUR ARA KAZ VIE TCC	✓ ✓
	COLOR MATCHING	OFF 3COLORS 7COLORS MEASURED		VXX:CMAI0=+00000 VXX:CMAI0=+00001 VXX:CMAI0=+00002 VXX:CMAI0=+00004	QVX:CMAI0	CMAI0=+00000 CMAI0=+00001 CMAI0=+00002 CMAI0=+00004	✓ ✓ ✓ ✓
	COLOR MATCHING-3COLORS-RED	0 (R,G,B)		VMR:0000,0000,0000	QMR	0000,0000,0000	✓

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL	QUERY		CMZ50 SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK	CMZ50
DISPLAY OPTION	COLOR MATCHING-3COLORS-GREEN	2048,2048,2048(R,G,B)		VMR:2048,2048,2048		2048,2048,2048	✓
		0(R,G,B)		VMG:0000,0000,0000	QMG	0000,0000,0000	✓
		2048,2048,2048(R,G,B)		VMG:2048,2048,2048		2048,2048,2048	✓
	COLOR MATCHING-3COLORS-BLUE	0(R,G,B)		VMB:0000,0000,0000	QMB	0000,0000,0000	✓
		2048,2048,2048(R,G,B)		VMB:2048,2048,2048		2048,2048,2048	✓
	COLOR MATCHING-3COLORS-WHITE	256(GAIN)		VMW:0256	QMW	0256	✓
		2048(GAIN)		VMW:2048		2048	✓
	COLOR MATCHING-3COLORS-AUTO TESTPATTERN	OFF		VXX:CATI0=+0000	QVX:CATI0	CATI0=+0000	✓
		ON		VXX:CATI0=+0001		CATI0=+0001	✓
	COLOR MATCHING-7COLORS-RED	0(R,G,B)		VXX:C7CS0=0000,0000,0000	QVX:C7CS0	C7CS0=0000,0000,0000	✓
		2048(R,G,B)		VXX:C7CS0=2048,2048,2048		C7CS0=2048,2048,2048	✓
	COLOR MATCHING-7COLORS-GREEN	0(R,G,B)		VXX:C7CS1=0000,0000,0000	QVX:C7CS1	C7CS1=0000,0000,0000	✓
		2048(R,G,B)		VXX:C7CS1=2048,2048,2048		C7CS1=2048,2048,2048	✓
	COLOR MATCHING-7COLORS-BLUE	0(R,G,B)		VXX:C7CS2=0000,0000,0000	QVX:C7CS2	C7CS2=0000,0000,0000	✓
		2048(R,G,B)		VXX:C7CS2=2048,2048,2048		C7CS2=2048,2048,2048	✓
	COLOR MATCHING-7COLORS-CYAN	0(R,G,B)		VXX:C7CS3=0000,0000,0000	QVX:C7CS3	C7CS3=0000,0000,0000	✓
		2048(R,G,B)		VXX:C7CS3=2048,2048,2048		C7CS3=2048,2048,2048	✓
	COLOR MATCHING-7COLORS-MAGENTA	0(R,G,B)		VXX:C7CS4=0000,0000,0000	QVX:C7CS4	C7CS4=0000,0000,0000	✓
		2048(R,G,B)		VXX:C7CS4=2048,2048,2048		C7CS4=2048,2048,2048	✓
	COLOR MATCHING-7COLORS-YELLOW	0(R,G,B)		VXX:C7CS5=0000,0000,0000	QVX:C7CS5	C7CS5=0000,0000,0000	✓
		2048(R,G,B)		VXX:C7CS5=2048,2048,2048		C7CS5=2048,2048,2048	✓
	COLOR MATCHING-7COLORS-WHITE	0(R,G,B)		VXX:C7CS6=0000,0000,0000	QVX:C7CS6	C7CS6=0000,0000,0000	✓
		2048(R,G,B)		VXX:C7CS6=2048,2048,2048		C7CS6=2048,2048,2048	✓
	COLOR MATCHING-7COLORS-AUTO TESTPATTERN	OFF		VXX:CATI1=+0000	QVX:CATI1	CATI1=+0000	✓
		ON		VXX:CATI1=+0001		CATI1=+0001	✓
	COLOR MATCHING-MEASURED MODE-MEASURED DATA BLACK	0,1,1(Y,X,Y)		VXX:CMMS0=00000,0001,0001	QVX:CMMS0	CMMS0=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMMS0=65535,0999,0999		CMMS0=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-MEASURED DATA RED	0,1,1(Y,X,Y)		VXX:CMMS1=00000,0001,0001	QVX:CMMS1	CMMS1=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMMS1=65535,0999,0999		CMMS1=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-MEASURED DATA GREEN	0,1,1(Y,X,Y)		VXX:CMMS2=00000,0001,0001	QVX:CMMS2	CMMS2=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMMS2=65535,0999,0999		CMMS2=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-MEASURED DATA BLUE	0,1,1(Y,X,Y)		VXX:CMMS3=00000,0001,0001	QVX:CMMS3	CMMS3=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMMS3=65535,0999,0999		CMMS3=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-MEASURED DATA WHITE	0,1,1(Y,X,Y)		VXX:CMMS4=00000,0001,0001	QVX:CMMS4	CMMS4=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMMS4=65535,0999,0999		CMMS4=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-TARGET DATA RED	0,1,1(Y,X,Y)		VXX:CMTS0=00000,0001,0001	QVX:CMTS0	CMTS0=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMTS0=65535,0999,0999		CMTS0=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-TARGET DATA GREEN	0,1,1(Y,X,Y)		VXX:CMTS1=00000,0001,0001	QVX:CMTS1	CMTS1=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMTS1=65535,0999,0999		CMTS1=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-TARGET DATA BLUE	0,1,1(Y,X,Y)		VXX:CMTS2=00000,0001,0001	QVX:CMTS2	CMTS2=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMTS2=65535,0999,0999		CMTS2=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-TARGET DATA CYAN	0,1,1(Y,X,Y)		VXX:CMTS3=00000,0001,0001	QVX:CMTS3	CMTS3=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMTS3=65535,0999,0999		CMTS3=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-TARGET DATA MAGENTA	0,1,1(Y,X,Y)		VXX:CMTS4=00000,0001,0001	QVX:CMTS4	CMTS4=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMTS4=65535,0999,0999		CMTS4=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-TARGET DATA YELLOW	0,1,1(Y,X,Y)		VXX:CMTS5=00000,0001,0001	QVX:CMTS5	CMTS5=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMTS5=65535,0999,0999		CMTS5=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-TARGET DATA WHITE	0,1,1(Y,X,Y)		VXX:CMTS6=00000,0001,0001	QVX:CMTS6	CMTS6=00000,0001,0001	✓
		65535,999,999(Y,X,Y)		VXX:CMTS6=65535,0999,0999		CMTS6=65535,0999,0999	✓
	COLOR MATCHING-MEASURED MODE-AUTO TESTPATTERN	OFF		VXX:CATI3=+0000	QVX:CATI3	CATI3=+0000	✓
		ON		VXX:CATI3=+0001		CATI3=+0001	✓
	COLOR CORRECTION	OFF		VCM:0	QMC	0	✓
		USER		VCM:1		1	✓
	COLOR CORRECTION-RED	-30		VXX:CCRI0=-0030	QVX:CCRI0	CCRI0=-0030	✓
		+30		VXX:CCRI0=+0030		CCRI0=+0030	✓
	COLOR CORRECTION-GREEN	-30		VXX:CCRI1=-0030	QVX:CCRI1	CCRI1=-0030	✓
		+30		VXX:CCRI1=+0030		CCRI1=+0030	✓
	COLOR CORRECTION-BLUE	-30		VXX:CCRI2=-0030	QVX:CCRI2	CCRI2=-0030	✓
		+30		VXX:CCRI2=+0030		CCRI2=+0030	✓
	COLOR CORRECTION-CYAN	-30		VXX:CCRI3=-0030	QVX:CCRI3	CCRI3=-0030	✓
		+30		VXX:CCRI3=+0030		CCRI3=+0030	✓
	COLOR CORRECTION-MAGENTA	-30		VXX:CCRI4=-0030	QVX:CCRI4	CCRI4=-0030	✓
		+30		VXX:CCRI4=+0030		CCRI4=+0030	✓
	COLOR CORRECTION-YELLOW	-30		VXX:CCRI5=-0030	QVX:CCRI5	CCRI5=-0030	✓
		+30		VXX:CCRI5=+0030		CCRI5=+0030	✓
	HDMI IN-SIGNAL LEVEL	0-1023		VXX:HSLI0=+0000	QVX:HSLI0	HSLI0=+0000	✓
		64-940		VXX:HSLI0=+0001		HSLI0=+0001	✓
		AUTO		VXX:HSLI0=+0002		HSLI0=+0002	✓
	SLOT : HDMI : SIGNAL LEVEL	* PARAMETER		VXX:*****=VXX:*****=+*****	QVX:*****=QVX:*****	*****=*****=+*****	✓
		0-1023		VXX:*****=VXX:*****=+00000		*****=*****=+00000	✓
		* PARAMETER3	64-940	VXX:*****=VXX:*****=+00001		*****=*****=+00001	✓
		AUTO		VXX:*****=VXX:*****=+00002		*****=*****=+00002	✓
	SLOT : DIGITAL LINK : SIGNAL LEVEL	0-1023		VXX:SLSSI=VXX:DKLI1=+00000	QVX:SLSSI=QVX:DKLI1	SLSSI=DKLI1=+00000	✓
		64-940		VXX:SLSSI=VXX:DKLI1=+00001		SLSSI=DKLI1=+00001	✓
		AUTO		VXX:SLSSI=VXX:DKLI1=+00002		SLSSI=DKLI1=+00002	✓
	INPUT GUIDE	OFF		OID:0	QDI	0	✓
		ON(SIMPLE)		OID:1		1	✓
		DETAILED		OID:2		2	✓
	OSD POSITION	UPPER LEFT		VXX:OPSI1=+00001	QVX:OPSI1	OPSI1=+00001	✓
		LOWER LEFT		VXX:OPSI1=+00003		OPSI1=+00003	✓
		CENTER		VXX:OPSI1=+00005		OPSI1=+00005	✓
		UPPER RIGHT		VXX:OPSI1=+00007		OPSI1=+00007	✓
		LOWER RIGHT		VXX:OPSI1=+00009		OPSI1=+00009	✓
	OSD SIZE	NORMAL		VXX:OSZI1=+00100	QVX:OSZI1	OSZI1=+00100	✓
		DOUBLE		VXX:OSZI1=+00200		OSZI1=+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	✓
	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	✓
	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	✓	
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		PTMI3=+00000	✓	
P-TIMER-EXIT	EXIT		VXX:PTMI4=+00000		PTMI4=+00000	✓	
STATUS			STS			✓	
PROJECTOR ID	0(ALL)		RIS:00			✓	
	64		RIS:64			✓	
PROJECTION METHOD	FRONT/DESK		OIL:0	QSP	0	✓	
	REAR/DESK		OIL:1		1	✓	
INSTALLATION	FRONT/CEILING		OIL:2		2	✓	
	REAR/CEILING		OIL:3		3	✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL	QUERY		CMZ50 SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK	CMZ50
PROJECTOR SETUP	LIGHT POWER	FRONT/AUTO		OIL : 4		4	✓
	LIGHT POWER	NORMAL		VXX: LPW11=+0000	QLP	LPW11=+0000	✓
		ECO		VXX: LPW11=+0001		LPW11=+0001	✓
		QUIET		VXX: LPW11=+0004		LPW11=+0004	✓
		USER		VXX: LPW11=+0100		LPW11=+0100	✓
	LIGHT OUTPUT	min.		VXX: LOPI2=+00050	QVX: LOPI2	LOPI2=+00050	50%
		max.		VXX: LOPI2=+01000		LOPI2=+01000	100%
	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	✓
	STANDBY MODE	NORMAL		VXX: STMI0=+00000	QVX: STMI0	STMI0=+00000	✓
		ECO		VXX: STMI0=+00003		STMI0=+00003	✓
	QUICK STARTUP	OFF		VXX: QSUI1=+00000	QVX: QSUI1	QSUI1=+00000	✓
		ON		VXX: QSUI1=+00001		QSUI1=+00001	✓
	QUICK STARTUP-VALID PERIOD	30MIN.		VXX: QSUI2=+00030	QVX: QSUI2	QSUI2=+00030	✓
		60MIN.		VXX: QSUI2=+00060		QSUI2=+00060	✓
		90MIN.		VXX: QSUI2=+00090		QSUI2=+00090	✓
	FUNCTION BUTTON	* PARAMETER		OFC: *****	QFC	*****	✓
	INITIAL START UP	STANDBY		OPY: 0	QPY	0	✓
		ON		OPY: 1		1	✓
		LAST MEMORY		OPY: 2		2	✓
	EMULATE	DEFAULT		VXX: EMUI0=+00001	QVX: EMUI0	EMUI0=+00001	✓
		D3500		VXX: EMUI0=+00002		EMUI0=+00002	✓
		D4000		VXX: EMUI0=+00003		EMUI0=+00003	✓
		D/W5k SERIES		VXX: EMUI0=+00004		EMUI0=+00004	✓
		D/W/Z6k SERIES		VXX: EMUI0=+00005		EMUI0=+00005	✓
		L730		VXX: EMUI0=+00006		EMUI0=+00006	✓
		L780		VXX: EMUI0=+00007		EMUI0=+00007	✓
		L735		VXX: EMUI0=+00008		EMUI0=+00008	✓
		L785		VXX: EMUI0=+00009		EMUI0=+00009	✓
		LB/W SERIES		VXX: EMUI0=+00010		EMUI0=+00010	✓
		F/W SERIES		VXX: EMUI0=+00011		EMUI0=+00011	✓
		LZ370		VXX: EMUI0=+00012		EMUI0=+00012	✓
		VX500 SERIES		VXX: EMUI0=+00013		EMUI0=+00013	✓
		E2570 SERIES		VXX: EMUI0=+00014		EMUI0=+00014	✓
		VW431D SERIES		VXX: EMUI0=+00015		EMUI0=+00015	✓
	AUDIO SETTING-VOLUME	0		AVL: 000	QAV	000	✓
		63		AVL: 063		063	✓
	AUDIO SETTING-IN STANDBY MODE	OFF		VXX: ASBI0=+00000	QVX: ASBI0	ASBI0=+00000	✓
		ON		VXX: ASBI0=+00001		ASBI0=+00001	✓
	AUDIO SETTING-AUDIO IN SELECT-	AUDIO IN 1		VXX: AINI0=+00000	QVX: AINI0	AINI0=+00000	✓
	AUDIO SETTING-AUDIO IN SELECT-HDMI1	HDMI1 AUDIO IN		VXX: AINI3=+00003	QVX: AINI3	AINI3=+00003	✓
		AUDIO IN 1		VXX: AINI3=+00000		AINI3=+00000	✓
	AUDIO SETTING-AUDIO IN SELECT-NETWORK	NETWORK/USB AUDIO IN		VXX: AINI6=+00004	QVX: AINI6	AINI6=+00004	✓
		AUDIO IN 1		VXX: AINI6=+00000		AINI6=+00000	✓
	AUDIO SETTING-AUDIO IN SELECT-AUDIO SETTING-AUDIO IN SELECT-HDMI2	AUDIO IN 1		VXX: AINI7=+00003	QVX: AINI7	AINI7=+00003	✓
		HDMI2 AUDIO IN		VXX: AINI7=+00000		AINI7=+00000	✓
	AUDIO SETTING-AUDIO IN SELECT-DIGITAL LINK	DIGITAL LINK AUDIO IN		VXX: AINI8=+00005	QVX: AINI8	AINI8=+00005	✓
		AUDIO IN 1		VXX: AINI8=+00000		AINI8=+00000	✓
	FILTER COUNTER-TIMER	OFF		VXX: FCTI1=+00000	QVX: FCTI1	FCTI1=+00000	✓
		1000H		VXX: FCTI1=+01000		FCTI1=+01000	✓
		2000H		VXX: FCTI1=+02000		FCTI1=+02000	✓
		3000H		VXX: FCTI1=+03000		FCTI1=+03000	✓
		4000H		VXX: FCTI1=+04000		FCTI1=+04000	✓
		5000H		VXX: FCTI1=+05000		FCTI1=+05000	✓
		6000H		VXX: FCTI1=+06000		FCTI1=+06000	✓
		7000H		VXX: FCTI1=+07000		FCTI1=+07000	✓
		8000H		VXX: FCTI1=+08000		FCTI1=+08000	✓
		9000H		VXX: FCTI1=+09000		FCTI1=+09000	✓
		10000H		VXX: FCTI1=+10000		FCTI1=+10000	✓
		11000H		VXX: FCTI1=+11000		FCTI1=+11000	✓
		12000H		VXX: FCTI1=+12000		FCTI1=+12000	✓
		13000H		VXX: FCTI1=+13000		FCTI1=+13000	✓
		14000H		VXX: FCTI1=+14000		FCTI1=+14000	✓
		15000H		VXX: FCTI1=+15000		FCTI1=+15000	✓
		15000H		VXX: FCTI1=+16000		FCTI1=+16000	✓
		15000H		VXX: FCTI1=+17000		FCTI1=+17000	✓
		15000H		VXX: FCTI1=+18000		FCTI1=+18000	✓
		15000H		VXX: FCTI1=+19000		FCTI1=+19000	✓
		16000H		VXX: FCTI1=+20000		FCTI1=+20000	✓
				VXX: FCTI2=+00000			✓
	FILTER COUNTER-RESET						✓
	MODEL NAME	MODEL NAME			QID	MODELNAME	✓
	SERIAL NUMBER	SW0101234			QSN	SW0101234	✓
	PROJECTOR RUNTIME	99999H			QVX: RTMIO	RTMIO=+99999	✓
	LAMP RUNTIME	9999H			QSL	9999	✓
	LIGHT1 RUNTIME	7864320H			QVX: LRTS3=00	LRTS3=00:7864320	✓
	LIGHT STATUS	ALL OFF			QLS	0	✓
	LAMP(LIGHT) CONTROL STATUS	LAMP OFF			QSS	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	A80102030405			QMA	A80102030405	✓
	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	✓
	HDMI-CEC	OFF		SHC: FNC0	QHC: FNC	QHC: FNC0	✓
		ON		SHC: FNC1		QHC: FNC1	✓
	HDMI-CEC HDMI1 (Change Device)	NEXT PREVIEW		SHC: HM1NXT			✓
		PREVIEW		SHC: HM1PRE			✓
HDMI-CEC HDMI1 (Get Device Name)	DEVICE NAME			QHC: HM1	QHC: HM1DEVICENAME	✓	
HDMI-CEC HDMI2 (Change Device)	NEXT PREVIEW		SHC: HM2NXT			✓	
	PREVIEW		SHC: HM2PRE			✓	
HDMI-CEC HDMI2 (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: PTSPOFF		QHC: PTSPOFF	✓	
	POWER ON/OFF		SHC: PTSPPWR		QHC: PTSPPWR	✓	
HDMI-CEC - DEVICE -> PROJECTOR	DISABLE		SHC: STPOFF	QHC: STP	QHC: STPOFF	✓	
	POWER ON		SHC: STPPON		QHC: STPPON	✓	
	POWER ON/OFF		SHC: STPPWR		QHC: STPPWR	✓	
HDMI OUT	HDMI1-OFF		VXX: HDOS1=1: 00000	QVX: HDOS1=1	HDOS1=1: 00000	✓	
	HDMI1-ON		VXX: HDOS1=1: 00001		HDOS1=1: 00001	✓	
	HDMI2-OFF		VXX: HDOS1=2: 00000	QVX: HDOS1=2	HDOS1=2: 00000	✓	
	HDMI2-ON		VXX: HDOS1=2: 00001		HDOS1=2: 00001	✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL	QUERY		CMZ50 SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK	CMZ50
	HDMI OUT MODE	HDMI1-PASS THROUGH		VXX:HDOS2=1:00001	QVX:HDOS2=1	HDOS2=1:00001	✓
		HDMI1-SYNC TO OTHER DEVICE		VXX:HDOS2=1:00002		HDOS2=1:00002	✓
		HDMI2-PASS THROUGH		VXX:HDOS2=2:00001	QVX:HDOS2=2	HDOS2=2:00001	✓
		HDMI2-SYNC TO OTHER DEVICE		VXX:HDOS2=2:00002		HDOS2=2:00002	✓
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	✓
		ASPECT(16:9/4:3)		OTS:38		38	✓
		CROSS_HATCH2(70%)		OTS:39		39	✓
		Color Bar H		OTS:51		51	✓
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	✓
	DIGITAL LINK STATUS-HDCP STATUS	ETHERNET				DKSI1=+00003	✓
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	✓	
DIGITAL LINK INPUT CH LIST	HDI:HDMI1,HDI2:HDMI2...			QVX:DL1S1	DL1S1=HDI:HDMI1,****;***	✓	

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