

# Control Commands

Model No. PT-MZ20K  
PT-SMZ20KC  
PT-MZ17K  
PT-SMZ17KC  
PT-MZ14K  
PT-MZ11K  
PT-SMZ11KC



- 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		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
BASIC OPERATION REMOTE CONTROL	POWER	ON OFF (STANDBY)		PON POF	QPW	001 000		✓ ✓
	INPUT SELECT	HDMI1		IIS:HD1	QIN	HD1		✓
		HDMI2		IIS:HD2		HD2		✓
		SD1		IIS:SD1		SD1		✓
		DIGITAL LINK		IIS:DL1		DL1		✓
	INPUT SELECT (DIGITAL LINK)	COMPUTER1		IIS:DL1:PC1	QIN	DL1:PC1		✓
		COMPUTER2		IIS:DL1:PC2		DL1:PC2		✓
		VIDEO		IIS:DL1:VID		DL1:VID		✓
		HDMI1		IIS:DL1:HD1		DL1:HD1		✓
		HDMI2		IIS:DL1:HD2		DL1:HD2		✓
		S-VIDEO		IIS:DL1:SVD		DL1:SVD		✓
	FREEZE	OFF		OFZ:0	QFZ	0		✓
		ON		OFZ:1		1		✓
	MENU KEY			OMN				✓
	ENTER KEY			OEN				✓
	UP KEY			OCU				✓
	DOWN KEY			OCD				✓
	LEFT KEY			OCL				✓
	RIGHT KEY			OCR				✓
	DEFAULT KEY			OST				✓
	SHUTTER	OFF		OSH:0	QSH	0		✓
		ON		OSH:1		1		✓
	SHUTTER(Toggle)	OFF		OSH	QSH	0		✓
		ON				1		✓
	FUNCTION KEY			FC1				✓
	SYSTEM SELECTOR KEY			OSL				✓
	ASPECT KEY			VS1				✓
	NUMERIC KEY	0		ONK:0				✓
		1		ONK:1				✓
		2		ONK:2				✓
		3		ONK:3				✓
		4		ONK:4				✓
		5		ONK:5				✓
		6		ONK:6				✓
		7		ONK:7				✓
		8		ONK:8				✓
		9		ONK:9				✓
	LENS HOME POSITION	EXECUTE		VXX:LNSI1=+00001				✓
	ACTIVE FOCUS OPTIMIZER-ACTIVE FOCUS	OFF		VXX:AFOI1=+00000	QVX:AFOI1	AFOI1=+00000		✓
		ON		VXX:AFOI1=+00001		AFOI1=+00001		✓
	LENS SHIFT-HORIZONTAL	SLOW+		VXX:LNSI2=+00000				✓
		SLOW-NORMAL+		VXX:LNSI2=+00001				✓
		NORMAL+		VXX:LNSI2=+00100				✓
		NORMAL-		VXX:LNSI2=+00101				✓
		FAST+		VXX:LNSI2=+00200				✓
FAST-			VXX:LNSI2=+00201				✓	
LENS SHIFT-VERTICAL	SLOW+		VXX:LNSI3=+00000				✓	
	SLOW-NORMAL+		VXX:LNSI3=+00001				✓	
	NORMAL+		VXX:LNSI3=+00100				✓	
	NORMAL-		VXX:LNSI3=+00101				✓	
	FAST+		VXX:LNSI3=+00200				✓	
	FAST-		VXX:LNSI3=+00201				✓	
LENS FOCUS	SLOW+		VXX:LNSI4=+00000				✓	
	SLOW-NORMAL+		VXX:LNSI4=+00001				✓	
	NORMAL+		VXX:LNSI4=+00100				✓	
	NORMAL-		VXX:LNSI4=+00101				✓	
	FAST+		VXX:LNSI4=+00200				✓	
	FAST-		VXX:LNSI4=+00201				✓	
LENS ZOOM	SLOW+		VXX:LNSI5=+00000				✓	
	SLOW-NORMAL+		VXX:LNSI5=+00001				✓	
	NORMAL+		VXX:LNSI5=+00100				✓	
	NORMAL-		VXX:LNSI5=+00101				✓	
	FAST+		VXX:LNSI5=+00200				✓	
	FAST-		VXX:LNSI5=+00201				✓	
LENS POSITION	HORIZONTAL(H)		VXX:LNSI7=*HORIZONTAL	QVX:LNSI7	LNSI7=*HORIZONTAL		✓	
	VERTICAL(V)		VXX:LNSI8=*VERTICAL	QVX:LNSI8	LNSI8=*VERTICAL		✓	
	FOCUS(F)		VXX:LNSI9=*FOCUS	QVX:LNSI9	LNSI9=*FOCUS		✓	
	ZOOM(Z)		VXX:LNSIA=*ZOOM	QVX:LNSIA	LNSIA=*ZOOM		✓	
	PERIPHERY FOCUS(PF)		VXX:LNSIE=*PERIPHERY FOCUS	QVX:LNSIE	LNSIE=*PERIPHERY FOCUS		✓	
	H/V		VXX:LNSSB=*H*V	QVX:LNSSB	LNSSB=*H*V		✓	
	H/V F		VXX:LNSSC=*H*V*F	QVX:LNSSC	LNSSC=*H*V*F		✓	
	H/V F Z		VXX:LNSSD=*H*V*F*Z	QVX:LNSSD	LNSSD=*H*V*F*Z		✓	
	*HORIZONTAL(H)	min. max.	-***** +*****			-***** +*****	-3787 +3787	
	*VERTICAL(V)	min. max.	-***** +*****			-***** +*****	-4800 +4800	
	*FOCUS(F)	min. max.	+***** +*****			+***** +*****	275 1000	
	*ZOOM(Z)	min. max.	+***** +*****			+***** +*****	275 1000	
	*PERIPHERY FOCUS(PF)	min. max.	+***** +*****			+***** +*****	250 3670	
	STATUS KEY			STS				✓
LENS FOCUS KEY			OLF				✓	
LENS SHIFT KEY			OLH				✓	
LENS ZOOM KEY			OLZ				✓	
DIGITAL LINK KEY			DLK				✓	
INPUT MENU KEY			IPT				✓	
SELF DIAGNOSIS				QVX:ERRS1 QVX:ERRS2	ERRS1=***** ERRS2=*****		✓ ✓	
							✓	
PICTURE MODE	DYNAMIC		VPM:DYN	QPM	DYN		✓	
	NATURAL		VPM:NAT		NAT		✓	
	STANDARD		VPM:STD		STD		✓	
	CINEMA		VPM:CIN		CIN		✓	
	GRAPHIC		VPM:GRA		GRA		✓	
	DICOM SIM.		VPM:DIC		DIC		✓	
	USER		VPM:USR		USR		✓	
	REC709		VPM:709		709		✓	
	PICTURE MODE-NAME SETTING USER	PICTUREMODE		VXX:NCGS0=PICTUREMODE	QVX:NCGS0	NCGS0=PICTUREMODE		✓
	PICTURE MODE-NAME CLEAR USER	PICTUREMODE		VXX:NCLI0=+00000				✓
PICTURE MODE-USER-BASED PICTURE MODE	DYNAMIC		VXX:BPMS1=NAT	QVX:BPMS1	BPMS1=NAT		✓	
	NATURAL		VXX:BPMS1=STD		BPMS1=STD		✓	
	STANDARD		VXX:BPMS1=DYN		BPMS1=DYN		✓	
	CINEMA		VXX:BPMS1=CIN		BPMS1=CIN		✓	
	GRAPHIC		VXX:BPMS1=GRA		BPMS1=GRA		✓	
	DICOM SIM.		VXX:BPMS1=DIC		BPMS1=DIC		✓	
REC709		VXX:BPMS1=709		BPMS1=709		✓		
CONTRAST	+1		VCN:001	QVR	001		✓	
	+63		VCN:063		063		✓	
BRIGHTNESS	+1		VBR:001	QVB	001		✓	
	+63		VBR:063		063		✓	
COLOR	+1		VCO:001	QVC	001		✓	
	+63		VCO:063		063		✓	
TINT	+1		VTN:001	QVT	001		✓	
	+63		VTN:063		063		✓	
SHARPNESS	0		VSR:000	QVS	000		✓	
	15		VSR:015		015		✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES	
				COMMANDS/CALL BACK	COMMANDS	CALL BACK			
PICTURE	COLOR TEMPERATURE	LOW		OTE: 0	QTE	0		✓	
		HIGH		OTE: 2		2		✓	
		USER		OTE: 4		4		✓	
		USER1(USER)		OTE: 04		4		✓	
		DEFAULT		OTE: 10		10		✓	
	COLOR TEMP-NAME SETTING USER1	COLORTEMP1		VXX: NCGS1=COLORTEMP1	QVX: NCGS1		NCGS1=COLORTEMP1		✓
	COLOR TEMP-NAME CLEAR USER1	COLORTEMP1		VXX: NCLI1=+00000					✓
	WHITE BALANCE LOW-RED	-127		VOR: 001	QOR	001		✓	
		+127		VOR: 255		255		✓	
	WHITE BALANCE LOW-GREEN	-127		VOG: 001	QOG	001		✓	
		+127		VOG: 255		255		✓	
	WHITE BALANCE LOW-BLUE	-127		VOB: 001	QOB	001		✓	
		+127		VOB: 255		255		✓	
	WHITE BALANCE HIGH-RED	0		VHR: 000	QHR	000		✓	
		+255		VHR: 255		255		✓	
	WHITE BALANCE HIGH-GREEN	0		VHG: 000	QHG	000		✓	
		+255		VHG: 255		255		✓	
	WHITE BALANCE HIGH-BLUE	0		VHB: 000	QHB	000		✓	
		+255		VHB: 255		255		✓	
	GAMMA(PRESET)	-8		VXX: GAMI1=-00008	QVX: GAMI1		GAMI1=-00008		✓
		+7		VXX: GAMI1=+00007			GAMI1=+00007		✓
	DAYLIGHT VIEW FRONT INSTALL	OFF		VXX: DLVI0=+00000	QVX: DLVI0		DLVI0=+00000		✓
		AUTO(1)		VXX: DLVI0=+00001			DLVI0=+00001		✓
		ON(2)		VXX: DLVI0=+00002			DLVI0=+00002		✓
		ON(3)		VXX: DLVI0=+00003			DLVI0=+00003		✓
		4		VXX: DLVI0=+00004			DLVI0=+00004		✓
		5		VXX: DLVI0=+00005			DLVI0=+00005		✓
		6		VXX: DLVI0=+00006			DLVI0=+00006		✓
	NOISE REDUCTION	OFF		VNS: 0	QNS	0		✓	
		1		VNS: 1		1		✓	
		2		VNS: 2		2		✓	
		3		VNS: 3		3		✓	
	DYNAMIC CONTRAST/IRIS	OFF		OAI: 0	QAI	0		✓	
		1		OAI: 1		1		✓	
		2		OAI: 2		2		✓	
		3		OAI: 3		3		✓	
		USER		OAI: 4		4		✓	
	DYNAMIC CONTRAST/AUTO IRIS (AUTO CONTRAST)	OFF		OAI: A000	QAI: A	000		✓	
		1		OAI: A001		001		✓	
		255		OAI: A255		255		✓	
	DYNAMIC CONTRAST (BRIGHT SIGNAL LEVEL)	6%		VXX: DYCI1=+00006	QVX: DYCI1		00006		✓
		50%		VXX: DYCI1=+00050			00050		✓
	DYNAMIC CONTRAST (LIGHTS OUT TIMER)	DISABLE		VXX: DYCS2=OFF	QVX: DYCS2		OFF		✓
		0.0s		VXX: DYCS2=0.0			0.0		✓
		10.0s		VXX: DYCS2=10.0			10.0		✓
DYNAMIC CONTRAST (LIGHTS OUT SIGNAL LEVEL)	0		VXX: DYCI3=+00000	QVX: DYCI3		00000		✓	
	5		VXX: DYCI3=+00005			00005		✓	
DYNAMIC CONTRAST (LIGHTS OUT FADE-IN)	0.0s(OFF)		VXX: DYCS4=0.0	QVX: DYCS4		DYCS4=0.0		✓	
	0.5s		VXX: DYCS4=0.5			DYCS4=0.5		✓	
	1.0s		VXX: DYCS4=1.0			DYCS4=1.0		✓	
	1.5s		VXX: DYCS4=1.5			DYCS4=1.5		✓	
	2.0s		VXX: DYCS4=2.0			DYCS4=2.0		✓	
	2.5s		VXX: DYCS4=2.5			DYCS4=2.5		✓	
	3.0s		VXX: DYCS4=3.0			DYCS4=3.0		✓	
	3.5s		VXX: DYCS4=3.5			DYCS4=3.5		✓	
	4.0s		VXX: DYCS4=4.0			DYCS4=4.0		✓	
	5.0s		VXX: DYCS4=5.0			DYCS4=5.0		✓	
	7.0s		VXX: DYCS4=7.0			DYCS4=7.0		✓	
	10.0s		VXX: DYCS4=10.0			DYCS4=10.0		✓	
DYNAMIC CONTRAST (LIGHTS OUT FADE-OUT)	0.0s(OFF)		VXX: DYCS5=0.0	QVX: DYCS5		DYCS5=0.0		✓	
	0.5s		VXX: DYCS5=0.5			DYCS5=0.5		✓	
	1.0s		VXX: DYCS5=1.0			DYCS5=1.0		✓	
	1.5s		VXX: DYCS5=1.5			DYCS5=1.5		✓	
	2.0s		VXX: DYCS5=2.0			DYCS5=2.0		✓	
	2.5s		VXX: DYCS5=2.5			DYCS5=2.5		✓	
	3.0s		VXX: DYCS5=3.0			DYCS5=3.0		✓	
	3.5s		VXX: DYCS5=3.5			DYCS5=3.5		✓	
	4.0s		VXX: DYCS5=4.0			DYCS5=4.0		✓	
	5.0s		VXX: DYCS5=5.0			DYCS5=5.0		✓	
	7.0s		VXX: DYCS5=7.0			DYCS5=7.0		✓	
	10.0s		VXX: DYCS5=10.0			DYCS5=10.0		✓	
DYNAMIC CONTRAST/MANUAL IRIS (MANUAL INTENSITY)	OFF		OAI: M000	QAI: M	000		✓		
	1		OAI: M001		001		✓		
	255		OAI: M255		255		✓		
DYNAMIC CONTRAST (DYNAMIC GAMMA)	OFF		OAI: D0	QAI: D	0		✓		
	1		OAI: D1		1		✓		
	2		OAI: D2		2		✓		
	3		OAI: D3		3		✓		
DYNAMIC CONTRAST NX	OFF		VXX: DCNI1=+00000	QVX: DCNI1		DCNI1=+00000		✓	
	1		VXX: DCNI1=+00001			DCNI1=+00001		✓	
	2		VXX: DCNI1=+00002			DCNI1=+00002		✓	
	3		VXX: DCNI1=+00003			DCNI1=+00003		✓	
	USER		VXX: DCNI1=+00010			DCNI1=+00010		✓	
DYNAMIC CONTRAST NX (AUTO CONTRAST)	OFF		VXX: DCNI2=+00000	QVX: DCNI2		DCNI2=+00000		✓	
	1		VXX: DCNI2=+00001			DCNI2=+00001		✓	
	255		VXX: DCNI2=+00255			DCNI2=+00255		✓	
DYNAMIC CONTRAST NX (BRIGHT SIGNAL LEVEL)	6%		VXX: DCNI3=+00006	QVX: DCNI3		DCNI3=+00006		✓	
	50%		VXX: DCNI3=+00050			DCNI3=+00050		✓	
DYNAMIC CONTRAST NX (LIGHTS OUT TIMER)	DISABLE		VXX: DCNS4=OFF	QVX: DCNS4		DCNS4=OFF		✓	
	0.0s		VXX: DCNS4=0.0			DCNS4=0.0		✓	
	10.0s		VXX: DCNS4=10.0			DCNS4=10.0		✓	
DYNAMIC CONTRAST NX (LIGHTS OUT SIGNAL LEVEL)	0		VXX: DCNI5=+00000	QVX: DCNI5		DCNI5=+00000		✓	
	5		VXX: DCNI5=+00005			DCNI5=+00005		✓	
DYNAMIC CONTRAST NX (LIGHTS OUT FADE-IN)	0.0s(OFF)		VXX: DCNS6=0.0	QVX: DCNS6		DCNS6=0.0		✓	
	0.5s		VXX: DCNS6=0.5			DCNS6=0.5		✓	
	1.0s		VXX: DCNS6=1.0			DCNS6=1.0		✓	
	1.5s		VXX: DCNS6=1.5			DCNS6=1.5		✓	
	2.0s		VXX: DCNS6=2.0			DCNS6=2.0		✓	
	2.5s		VXX: DCNS6=2.5			DCNS6=2.5		✓	
	3.0s		VXX: DCNS6=3.0			DCNS6=3.0		✓	
	3.5s		VXX: DCNS6=3.5			DCNS6=3.5		✓	
	4.0s		VXX: DCNS6=4.0			DCNS6=4.0		✓	
	5.0s		VXX: DCNS6=5.0			DCNS6=5.0		✓	
	7.0s		VXX: DCNS6=7.0			DCNS6=7.0		✓	
	10.0s		VXX: DCNS6=10.0			DCNS6=10.0		✓	
DYNAMIC CONTRAST NX (LIGHTS OUT FADE-OUT)	0.0s(OFF)		VXX: DCNS7=0.0	QVX: DCNS7		DCNS7=0.0		✓	
	0.5s		VXX: DCNS7=0.5			DCNS7=0.5		✓	
	1.0s		VXX: DCNS7=1.0			DCNS7=1.0		✓	
	1.5s		VXX: DCNS7=1.5			DCNS7=1.5		✓	
	2.0s		VXX: DCNS7=2.0			DCNS7=2.0		✓	
	2.5s		VXX: DCNS7=2.5			DCNS7=2.5		✓	
	3.0s		VXX: DCNS7=3.0			DCNS7=3.0		✓	
	3.5s		VXX: DCNS7=3.5			DCNS7=3.5		✓	
	4.0s		VXX: DCNS7=4.0			DCNS7=4.0		✓	
	5.0s		VXX: DCNS7=5.0			DCNS7=5.0		✓	
	7.0s		VXX: DCNS7=7.0			DCNS7=7.0		✓	
	10.0s		VXX: DCNS7=10.0			DCNS7=10.0		✓	
DYNAMIC CONTRAST NX	OFF		VXX: DCNI8=+00000	QVX: DCNI8		DCNI8=+00000		✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
	(MANUAL INTENSITY)	1		VXX: DCNI8=+00001		DCNI8=+00001		✓
		255		VXX: DCNI8=+00255		DCNI8=+00255		✓
	DYNAMIC CONTRAST NX (DYNAMIC GAMMA)	OFF		VXX: DCNI9=+00000	QVX: DCNI9	DCNI9=+00000		✓
		1		VXX: DCNI9=+00001		DCNI9=+00001		✓
		2		VXX: DCNI9=+00002		DCNI9=+00002		✓
		3		VXX: DCNI9=+00003		DCNI9=+00003		✓
	SYSTEM SELECTOR HDMI/DIGITAL LINK/DisplayPort/ SLOT-HDMI/SLOT-DIGITAL LINK/	RGB		ORF: 0	QRF	0		✓
		YPbPr		ORF: 1		1		✓
		AUTO		ORF: 2		2		✓
	DEFAULT PICTURE MODE	AUTO		VXX: DPMS1=AUT	QVX: DPMS1	DPMS1=AUT		✓
		STANDARD		VXX: DPMS1=STD		DPMS1=STD		✓
		DYNAMIC		VXX: DPMS1=DYN		DPMS1=DYN		✓
		NATURAL		VXX: DPMS1=NAT		DPMS1=NAT		✓
		CINEMA		VXX: DPMS1=CIN		DPMS1=CIN		✓
		GRAPHIC		VXX: DPMS1=GRA		DPMS1=GRA		✓
DICOM SIM./DICOM			VXX: DPMS1=DIC		DPMS1=DIC		✓	
REC709			VXX: DPMS1=709		DPMS1=709		✓	
USER			VXX: DPMS1=USR		DPMS1=USR		✓	
POSITION		GEOMETRY	OFF		VXX: GMMI0=+00000	QVX: GMMI0	GMMI0=+00000	
	KEystone			VXX: GMMI0=+00001		GMMI0=+00001		✓
	CURVED			VXX: GMMI0=+00002		GMMI0=+00002		✓
	PC-1			VXX: GMMI0=+00003		GMMI0=+00003		✓
	PC-2			VXX: GMMI0=+00004		GMMI0=+00004		✓
	PC-3			VXX: GMMI0=+00005		GMMI0=+00005		✓
	CORNER-CORRECTION			VXX: GMMI0=+00010		GMMI0=+00010		✓
	GEOMETRY-KEYSTONE-LENS THROW RATIO	0.7	0.1 step	VXX: GMKS0=+00.7	QVX: GMKS0	GMKS0=+00.7		✓
		16.5		VXX: GMKS0=+16.5		GMKS0=+16.5		✓
	GEOMETRY-KEYSTONE-VERTICAL BALANCE	-60		VXX: GMKI4=-00060	QVX: GMKI4	GMKI4=-00060		✓
		+60		VXX: GMKI4=+00060		GMKI4=+00060		✓
	GEOMETRY-KEYSTONE-HORIZONTAL BALANCE	-30		VXX: GMKI7=-00030	QVX: GMKI7	GMKI7=-00030		✓
		+30		VXX: GMKI7=+00030		GMKI7=+00030		✓
	GEOMETRY-KEYSTONE-VERTICAL KEYSTONE	-40.0 (-45.0)*	0.2 step	VXX: GMKS8=-40.0	QVX: GMKS8	GMKS8=-40.0		✓
		+40.0 (+45.0)*		VXX: GMKS8=+40.0		GMKS8=+40.0		✓
	GEOMETRY-KEYSTONE-HORIZONTAL KEYSTONE	-15.0 (-40.0)*	0.2 step	VXX: GMKS9=-15.0	QVX: GMKS9	GMKS9=-15.0		✓
		+15.0 (+40.0)*		VXX: GMKS9=+15.0		GMKS9=+15.0		✓
	GEOMETRY-CURVED-LENS THROW RATIO	0.7	0.1 step	VXX: GMCS0=+00.7	QVX: GMCS0	GMCS0=+00.7		✓
		16.5		VXX: GMCS0=+16.5		GMCS0=+16.5		✓
	GEOMETRY-CURVED-VERTICAL ARC	-50 (-100)*		VXX: GMCI3=-00050	QVX: GMCI3	GMCI3=-00050		✓
		+50 (+100)*		VXX: GMCI3=+00050		GMCI3=+00050		✓
	GEOMETRY-CURVED-HORIZONTAL ARC	-50 (-100)*		VXX: GMCI7=-00050	QVX: GMCI7	GMCI7=-00050		✓
		+50 (+100)*		VXX: GMCI7=+00050		GMCI7=+00050		✓
	GEOMETRY-CURVED-VERTICAL BALANCE	-60		VXX: GMCI2=-00060	QVX: GMCI2	GMCI2=-00060		✓
		+60		VXX: GMCI2=+00060		GMCI2=+00060		✓
	GEOMETRY-CURVED-HORIZONTAL BALANCE	-30		VXX: GMCI6=-00030	QVX: GMCI6	GMCI6=-00030		✓
		+30		VXX: GMCI6=+00030		GMCI6=+00030		✓
GEOMETRY-CURVED-VERTICAL KEYSTONE	-40.0 (-45.0)*	0.2 step	VXX: GMCS8=-40.0	QVX: GMCS8	GMCS8=-40.0		✓	
	+40.0 (+45.0)*		VXX: GMCS8=+40.0		GMCS8=+40.0		✓	
GEOMETRY-CURVED-HORIZONTAL KEYSTONE	-15.0 (-40.0)*	0.2 step	VXX: GMCS9=-15.0	QVX: GMCS9	GMCS9=-15.0		✓	
	+15.0 (+40.0)*		VXX: GMCS9=+15.0		GMCS9=+15.0		✓	
GEOMETRY-CURVED-MAINTAIN ASPECT RATIO	OFF		VXX: GMCIA=+00000	QVX: GMCIA	GMCIA=+00000		✓	
	ON		VXX: GMCIA=+00001		GMCIA=+00001		✓	
GEOMETRY-CORNER CORRECTION-UPPER LEFT(V)	min.		VXX: GMFI1=+00000	QVX: GMFI1	GMFI1=+00000	-120	✓	
	max.		VXX: GMFI1=+00300		GMFI1=+00300	+300	✓	
GEOMETRY-CORNER CORRECTION-UPPER RIGHT(V)	min.		VXX: GMFI2=+00000	QVX: GMFI2	GMFI2=+00000	-120	✓	
	max.		VXX: GMFI2=+00300		GMFI2=+00300	+300	✓	
GEOMETRY-CORNER CORRECTION-LOWER LEFT(V)	min.		VXX: GMFI3=-00300	QVX: GMFI3	GMFI3=-00300	-300	✓	
	max.		VXX: GMFI3=+00000		GMFI3=+00000	+120	✓	
GEOMETRY-CORNER CORRECTION-LOWER RIGHT(V)	min.		VXX: GMFI4=-00300	QVX: GMFI4	GMFI4=-00300	-300	✓	
	max.		VXX: GMFI4=+00000		GMFI4=+00000	+120	✓	
GEOMETRY-CORNER CORRECTION-LINEARITY(V)	min.		VXX: GMFI5=-00127	QVX: GMFI5	GMFI5=-00127	-127	✓	
	max.		VXX: GMFI5=+00127		GMFI5=+00127	+127	✓	
GEOMETRY-CORNER CORRECTION-UPPER LEFT(H)	min.		VXX: GMFI6=+00000	QVX: GMFI6	GMFI6=+00000	-192	✓	
	max.		VXX: GMFI6=+00480		GMFI6=+00480	+480	✓	
GEOMETRY-CORNER CORRECTION-UPPER RIGHT(H)	min.		VXX: GMFI7=-00480	QVX: GMFI7	GMFI7=-00480	-480	✓	
	max.		VXX: GMFI7=+00000		GMFI7=+00000	+192	✓	
GEOMETRY-CORNER CORRECTION-LOWER LEFT(H)	min.		VXX: GMFI8=+00000	QVX: GMFI8	GMFI8=+00000	-192	✓	
	max.		VXX: GMFI8=+00480		GMFI8=+00480	+480	✓	
GEOMETRY-CORNER CORRECTION-LOWER RIGHT(H)	min.		VXX: GMFI9=-00480	QVX: GMFI9	GMFI9=-00480	-480	✓	
	max.		VXX: GMFI9=+00000		GMFI9=+00000	+192	✓	
GEOMETRY-CORNER CORRECTION-LINEARITY(H)	min.		VXX: GMFIA=-00127	QVX: GMFIA	GMFIA=-00127	-127	✓	
	max.		VXX: GMFIA=+00127		GMFIA=+00127	+127	✓	
GEOMETRY-CORNER/PINCUSHION-LINEARITY	AUTO		VXX: GMFIF=+00000	QVX: GMFIF	GMFIF=+00000		✓	
	MANUAL		VXX: GMFIF=+00001		GMFIF=+00001		✓	
GEOMETRY - FREE GRID(ON/OFF)	OFF		VXX: GMGI1=+00000	QVX: GMGI1	GMGI1=+00000		✓	
	ON		VXX: GMGI1=+00001		GMGI1=+00001		✓	
GEOMETRY - FREE GRID - INITIALIZE			VXX: GMGI2=+00001				✓	
	GEOMETRY - FREE GRID - GRID RESOLUTION	2x2		VXX: GMGI3=+00002	QVX: GMGI3	GMGI3=+00002		✓
		3x3		VXX: GMGI3=+00003		GMGI3=+00003		✓
		5x5		VXX: GMGI3=+00005		GMGI3=+00005		✓
		9x9		VXX: GMGI3=+00009		GMGI3=+00009		✓
		17x17		VXX: GMGI3=+00017		GMGI3=+00017		✓
GEOMETRY - FREE GRID - GRID COLOR	OFF		VXX: GMGI4=+00000	QVX: GMGI4	GMGI4=+00000		✓	
	WHITE		VXX: GMGI4=+00001		GMGI4=+00001		✓	
	BLACK		VXX: GMGI4=+00002		GMGI4=+00002		✓	
	RED		VXX: GMGI4=+00003		GMGI4=+00003		✓	
	GREEN		VXX: GMGI4=+00004		GMGI4=+00004		✓	
	BLUE		VXX: GMGI4=+00005		GMGI4=+00005		✓	
	CYAN		VXX: GMGI4=+00006		GMGI4=+00006		✓	
	MAGENTA		VXX: GMGI4=+00007		GMGI4=+00007		✓	
	YELLOW		VXX: GMGI4=+00008		GMGI4=+00008		✓	
	GEOMETRY - FREE GRID - CONTROL POINTS	POINT		VXX: GMGI5=+00000	QVX: GMGI5	GMGI5=+00000		✓
HORIZONTAL LINE			VXX: GMGI5=+00001		GMGI5=+00001		✓	
VERTICAL LINE			VXX: GMGI5=+00002		GMGI5=+00002		✓	
GEOMETRY - FREE GRID - GRID WIDTH	1		VXX: GMGI7=+00001	QVX: GMGI7	GMGI7=+00001		✓	
	10		VXX: GMGI7=+00010		GMGI7=+00010		✓	
GEOMETRY - FREE GRID - CONTROL POINTS COLOR	WHITE		VXX: GMGI8=+00001	QVX: GMGI8	GMGI8=+00001		✓	
	BLACK		VXX: GMGI8=+00002		GMGI8=+00002		✓	
	RED		VXX: GMGI8=+00003		GMGI8=+00003		✓	
	GREEN		VXX: GMGI8=+00004		GMGI8=+00004		✓	
	BLUE		VXX: GMGI8=+00005		GMGI8=+00005		✓	
	CYAN		VXX: GMGI8=+00006		GMGI8=+00006		✓	
	MAGENTA		VXX: GMGI8=+00007		GMGI8=+00007		✓	
	YELLOW		VXX: GMGI8=+00008		GMGI8=+00008		✓	
SHIFT-HORIZONTAL	0		VTH: 0000	QTH	0000		✓	
	+4095		VTH: 4095		4095		✓	
SHIFT-VERTICAL	0		VTV: 0000	QTV	0000		✓	
	+4094		VTV: 4094		4094		✓	
ASPECT	AUTO/VID AUTO/DEFAULT		VSE: 0	QSE	0		✓	
	NORMAL(4:3)		VSE: 1		1		✓	
	WIDE(16:9)		VSE: 2		2		✓	
	NATIVE(through)		VSE: 5		5		✓	
	FULL(HV FIT)		VSE: 6		6		✓	
	H-FIT		VSE: 9		9		✓	
	V-FIT		VSE: 10		10		✓	
ZOOM-HORIZONTAL	50		OZH: 050	QZH	050		✓	
	999		OZH: 999		999		✓	
ZOOM-VERTICAL	50		OZV: 050	QZV	050		✓	



CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
		999		OZV: 999		999		✓
	ZOOM-BOTH	50 999		OZO: 050 OZO: 999	QZO	050 999		✓ ✓
	ZOOM-INTERLOCKED	OFF ON		OZS: 0 OZS: 1	QZS	0 1		✓ ✓
	ZOOM-MODE	INTERNAL FULL		OZT: 0 OZT: 1	QZT	0 1		✓ ✓
	DIGITAL CINEMA REALITY	AUTO OFF 30p/25p FIXED		OPD: 0 OPD: 1 OPD: 2	QPD	0 1 2		✓ ✓ ✓
	BLANKING-UPPER	min. max.		DBU: 0000 DBU: 2398	QLU	0000 2398		0 1078
	BLANKING-LOWER	min. max.		DBB: 0000 DBB: 2398	QLB	0000 2398		0 1078
	BLANKING-RIGHT	min. max.		DBR: 0000 DBR: 3838	QLR	0000 3838		0 1918
	BLANKING-LEFT	min. max.		DBL: 0000 DBL: 3838	QLL	0000 3838		0 1918
	CUSTOM MASKING *	OFF PC-1 PC-2 PC-3		VXX: MSKI1=+00000 VXX: MSKI1=+00001 VXX: MSKI1=+00002 VXX: MSKI1=+00003	QVX: MSKI1	MSKI1=+00000 MSKI1=+00001 MSKI1=+00002 MSKI1=+00003		✓ ✓ ✓ ✓
	EDGE BLENDING	OFF ON USER		VXX: EDBI0=+00000 VXX: EDBI0=+00001 VXX: EDBI0=+00002	QVX: EDBI0	EDBI0=+00000 EDBI0=+00001 EDBI0=+00002		✓ ✓ ✓
	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		0 1080
	EDGE BLENDING-START-LOWER	min. max.		VEB: 0000 VEB: 2272	QEB	0000 2272		0 1080
	EDGE BLENDING-START-LEFT	min. max.		VEL: 0000 VEL: 3712	QEL	0000 3712		0 1720
	EDGE BLENDING-START-RIGHT	min. max.		VER: 0000 VER: 3712	QER	0000 3712		0 1720
	EDGE BLENDING-WIDTH-UPPER	min. max.		VXX: EUWI0=+00000 VXX: EUWI0=+02272	QVX: EUWI0	EUWI0=+00000 EUWI0=+02272		0 1080
	EDGE BLENDING-WIDTH-LOWER	min. max.		VXX: EBWI0=+00000 VXX: EBWI0=+02272	QVX: EBWI0	EBWI0=+00000 EBWI0=+02272		0 1080
	EDGE BLENDING-WIDTH-LEFT	min. max.		VXX: ELWI0=+00000 VXX: ELWI0=+03712	QVX: ELWI0	ELWI0=+00000 ELWI0=+03712		0 1728
	EDGE BLENDING-WIDTH-RIGHT	min. max.		VXX: ERWI0=+00000 VXX: ERWI0=+03712	QVX: ERWI0	ERWI0=+00000 ERWI0=+03712		0 1728
	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: EBII1=+00000 VXX: EBII1=+00001	QVX: EBII1	EBII1=+00000 EBII1=+00001		✓ ✓
	EDGE BLENDING-BLACK BORDER LEVEL	0 (W,R,G,B) 255 (W,R,G,B)		VJO: 000,000,000,000 VJO: 255,255,255,255	QJO	000,000,000,000 255,255,255,255		✓ ✓
	EDGE BLENDING-BLACK BORDER LEVEL-INTERLOCKED	OFF ON		VXX: EBII2=+00000 VXX: EBII2=+00001	QVX: EBII2	EBII2=+00000 EBII2=+00001		✓ ✓
	EDGE BLENDING-BLACK BORDER WIDTH-UPPER	min. max.		VJU: 0000 VJU: 2272	QJU	0000 2272		0 1080
	EDGE BLENDING-BLACK BORDER WIDTH-LOWER	min. max.		VJB: 0000 VJB: 2272	QJB	0000 2272		0 1080
	EDGE BLENDING-BLACK BORDER WIDTH-LEFT	min. max.		VJL: 0000 VJL: 3712	QJL	0000 3712		0 1728
	EDGE BLENDING-BLACK BORDER WIDTH-RIGHT	min. max.		VJR: 0000 VJR: 3712	QJR	0000 3712		0 1728
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE -	OFF ON		VXX: EBF11=+00000 VXX: EBF11=+00001	QVX: EBF11	EBF11=+00000 EBF11=+00001		✓ ✓
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE -	OFF ON		VXX: EBF12=+00000 VXX: EBF12=+00001	QVX: EBF12	EBF12=+00000 EBF12=+00001		✓ ✓
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE - LEFT	OFF ON		VXX: EBF13=+00000 VXX: EBF13=+00001	QVX: EBF13	EBF13=+00000 EBF13=+00001		✓ ✓
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE -	OFF ON		VXX: EBF14=+00000 VXX: EBF14=+00001	QVX: EBF14	EBF14=+00000 EBF14=+00001		✓ ✓
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE - UPPER - ADJUSTMENT POINTS	2 3 5 9 17		VXX: EFPI1=+00002 VXX: EFPI1=+00003 VXX: EFPI1=+00005 VXX: EFPI1=+00009 VXX: EFPI1=+00017	QVX: EFPI1	EFPI1=+00002 EFPI1=+00003 EFPI1=+00005 EFPI1=+00009 EFPI1=+00017		✓ ✓ ✓ ✓ ✓
	- UPPER - INITIALIZE	EXECUTE		VXX: EFII1=+00001				✓
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE - LEFT - ADJUSTMENT POINTS	2 3 5 9 17		VXX: EFPI2=+00002 VXX: EFPI2=+00003 VXX: EFPI2=+00005 VXX: EFPI2=+00009 VXX: EFPI2=+00017	QVX: EFPI2	EFPI2=+00002 EFPI2=+00003 EFPI2=+00005 EFPI2=+00009 EFPI2=+00017		✓ ✓ ✓ ✓ ✓
	- LEFT - INITIALIZE	EXECUTE		VXX: EFII2=+00001				✓
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE - LEFT - ADJUSTMENT POINTS	2 3 5 9 17		VXX: EFPI3=+00002 VXX: EFPI3=+00003 VXX: EFPI3=+00005 VXX: EFPI3=+00009 VXX: EFPI3=+00017	QVX: EFPI3	EFPI3=+00002 EFPI3=+00003 EFPI3=+00005 EFPI3=+00009 EFPI3=+00017		✓ ✓ ✓ ✓ ✓
	- LEFT - INITIALIZE	EXECUTE		VXX: EFII3=+00001				✓
	EDGE BLENDING - BLACK LEVEL ADJUST - BLACK BORDER AREA - FREE SHAPE - RIGHT - ADJUSTMENT POINTS	2 3 5 9 17		VXX: EFPI4=+00002 VXX: EFPI4=+00003 VXX: EFPI4=+00005 VXX: EFPI4=+00009 VXX: EFPI4=+00017	QVX: EFPI4	EFPI4=+00002 EFPI4=+00003 EFPI4=+00005 EFPI4=+00009 EFPI4=+00017		✓ ✓ ✓ ✓ ✓
	- RIGHT - INITIALIZE	EXECUTE		VXX: EFII4=+00001				✓
	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: EBII3=+00000 VXX: EBII3=+00001	QVX: EBII3	EBII3=+00000 EBII3=+00001		✓ ✓
	EDGE BLENDING-OVERLAPPED BLACK LEVEL-LOWER INTERLOCKED	OFF ON		VXX: EBII4=+00000 VXX: EBII4=+00001	QVX: EBII4	EBII4=+00000 EBII4=+00001		✓ ✓
	EDGE BLENDING-OVERLAPPED BLACK LEVEL-LEFT INTERLOCKED	OFF ON		VXX: EBII5=+00000 VXX: EBII5=+00001	QVX: EBII5	EBII5=+00000 EBII5=+00001		✓ ✓
	EDGE BLENDING-OVERLAPPED BLACK LEVEL-RIGHT INTERLOCKED	OFF ON		VXX: EBII6=+00000 VXX: EBII6=+00001	QVX: EBII6	EBII6=+00000 EBII6=+00001		✓ ✓
	EDGE BLENDING-MODE	SOFTEDGE/BLACK LEVEL BLACK LEVEL ONLY		VXX: EBMI1=+00000 VXX: EBMI1=+00001	QVX: EBMI1	EBMI1=+00000 EBMI1=+00001		✓ ✓
	EDGE BLENDING-AUTO TESTPATTERN	OFF		VXX: EATI1=+00000	QVX: EATI1	EATI1=+00000		✓

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
	FRAME RESPONSE	ON		VXX: EAT11=+00001		EAT11=+00001		✓
		NORMAL		VXX: FDYI0=+00000	QVX: FDYI0	FDYI0=+00000		✓
		FIXED		VXX: FDYI0=+00005		FDYI0=+00005		✓
	RASTER POSITION-HORIZONTAL	-2048		VRH: 2952	QRH	2952		✓
	+2047		VRH: 7047		7047		✓	
	RASTER POSITION-VERTICAL	-2048		VRV: 2952	QRV	2952		✓
		+2047		VRV: 7047		7047		✓
DISPLAY LANGUAGE	LANGUAGE	English		OLG: ENG	QLG	ENG		✓
		German		OLG: DEU		DEU		✓
		French		OLG: FRA		FRA		✓
		Spanish		OLG: ESP		ESP		✓
		Italian		OLG: ITL		ITL		✓
		Japanese		OLG: JPN		JPN		✓
		Chinese		OLG: CHI		CHI		✓
		Russian		OLG: RUS		RUS		✓
		Korea		OLG: KOR		KOR		✓
		Portuguse		OLG: POR		POR		✓
	COLOR MATCHING	OFF		VXX: CMAI0=+00000	QVX: CMAI0	CMAI0=+00000		✓
		3COLORS		VXX: CMAI0=+00001		CMAI0=+00001		✓
		7COLORS		VXX: CMAI0=+00002		CMAI0=+00002		✓
	COLOR MATCHING-RESET MODE	NATIVE		VXX: CRMI1=+00000	QVX: CRMI1	CRMI1=+00000		✓
		PICTURE		VXX: CRMI1=+00001		CRMI1=+00001		✓
	COLOR MATCHING-3COLORS-RED	0 (R,G,B)		VMR: 0000,0000,0000	QMR	0000,0000,0000		✓
		2048,2048,2048(R,G,B)		VMR: 2048,2048,2048		2048,2048,2048		✓
	COLOR MATCHING-3COLORS-GREEN	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=+00000	QVX: CATI0	CATI0=+00000		✓
		ON		VXX: CATI0=+00001		CATI0=+00001		✓
	COLOR MATCHING-3COLORS-RESET	EXECUTE		VXX: CREI1=+00001				✓
	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=+00000	QVX: CATI1	CATI1=+00000		✓
		ON		VXX: CATI1=+00001		CATI1=+00001		✓
	COLOR MATCHING-7COLORS-RESET	EXECUTE		VXX: CREI2=+00001				✓
	COLOR CORRECTION	OFF		VCM: 0	QMC	0		✓
		USER		VCM: 1		1		✓
	COLOR CORRECTION-RED	-30		VXX: CCRI0=-00030	QVX: CCRI0	CCRI0=-00030		✓
		+30		VXX: CCRI0=+00030		CCRI0=+00030		✓
	COLOR CORRECTION-GREEN	-30		VXX: CCRI1=-00030	QVX: CCRI1	CCRI1=-00030		✓
		+30		VXX: CCRI1=+00030		CCRI1=+00030		✓
	COLOR CORRECTION-BLUE	-30		VXX: CCRI2=-00030	QVX: CCRI2	CCRI2=-00030		✓
		+30		VXX: CCRI2=+00030		CCRI2=+00030		✓
	COLOR CORRECTION-CYAN	-30		VXX: CCRI3=-00030	QVX: CCRI3	CCRI3=-00030		✓
	+30		VXX: CCRI3=+00030		CCRI3=+00030		✓	
COLOR CORRECTION-MAGENTA	-30		VXX: CCRI4=-00030	QVX: CCRI4	CCRI4=-00030		✓	
	+30		VXX: CCRI4=+00030		CCRI4=+00030		✓	
COLOR CORRECTION-YELLOW	-30		VXX: CCRI5=-00030	QVX: CCRI5	CCRI5=-00030		✓	
	+30		VXX: CCRI5=+00030		CCRI5=+00030		✓	
BACKUP INPUT SETTING-BACKUP INPUT	PRIMARY		VXX: BACI1=+00001	QVX: BACI1	BACI1=+00001		✓	
	SECONDARY		VXX: BACI1=+00002		BACI1=+00002		✓	
	TOGGLE		VXX: BACI1=+00010		BACI1=+00010		✓	
BACKUP INPUT SETTING-BACKUP INPUT MODE	OFF		VXX: BACI6=+00000	QVX: BACI6	BACI6=+00000		✓	
	HDMI1 / HDMI2		VXX: BACI6=+00002		BACI6=+00002		✓	
BACKUP INPUT SETTING-AUTOMATIC SWITCHING	DISABLE		VXX: BACI3=+00001	QVX: BACI3	BACI3=+00001		✓	
	ENABLE		VXX: BACI3=+00002		BACI3=+00002		✓	
BACKUP INPUT SETTING-BACKUP INPUT STATUS	INACTIVE			QVX: BACI4	BACI4=+00000		✓	
	ACTIVE				BACI4=+00001		✓	
HDMI IN-HDMI1 SIGNAL LEVEL	0-1023		VXX: HSLI1=+00000	QVX: HSLI1	HSLI1=+00000		✓	
	64-940		VXX: HSLI1=+00001		HSLI1=+00001		✓	
	AUTO		VXX: HSLI1=+00002		HSLI1=+00002		✓	
HDMI IN-HDMI2 SIGNAL LEVEL	0-1023		VXX: HSLI2=+00000	QVX: HSLI2	HSLI2=+00000		✓	
	64-940		VXX: HSLI2=+00001		HSLI2=+00001		✓	
	AUTO		VXX: HSLI2=+00002		HSLI2=+00002		✓	
HDMI IN-HDMI1 EQUALIZER	0		VXX: HEQI1=+00000	QVX: HEQI1	HEQI1=+00000		✓	
	1		VXX: HEQI1=+00001		HEQI1=+00001		✓	
	2		VXX: HEQI1=+00002		HEQI1=+00002		✓	
	3		VXX: HEQI1=+00003		HEQI1=+00003		✓	
	4		VXX: HEQI1=+00004		HEQI1=+00004		✓	
	5		VXX: HEQI1=+00005		HEQI1=+00005		✓	
	6		VXX: HEQI1=+00006		HEQI1=+00006		✓	
	7		VXX: HEQI1=+00007		HEQI1=+00007		✓	
HDMI IN-HDMI2 EQUALIZER	0		VXX: HEQI2=+00000	QVX: HEQI2	HEQI2=+00000		✓	
	1		VXX: HEQI2=+00001		HEQI2=+00001		✓	
	2		VXX: HEQI2=+00002		HEQI2=+00002		✓	
	3		VXX: HEQI2=+00003		HEQI2=+00003		✓	
	4		VXX: HEQI2=+00004		HEQI2=+00004		✓	
	5		VXX: HEQI2=+00005		HEQI2=+00005		✓	
	6		VXX: HEQI2=+00006		HEQI2=+00006		✓	
	7		VXX: HEQI2=+00007		HEQI2=+00007		✓	
HDMI IN-HDMI1 EDID SELECT	4K/60p		VXX: HESI1=+00000	QVX: HESI1	HESI1=+00000		✓	
	4K/30p		VXX: HESI1=+00001		HESI1=+00001		✓	
	2K		VXX: HESI1=+00002		HESI1=+00002		✓	
HDMI IN-HDMI2 EDID SELECT	4K/60p		VXX: HESI2=+00000	QVX: HESI2	HESI2=+00000		✓	
	4K/30p		VXX: HESI2=+00001		HESI2=+00001		✓	
	2K		VXX: HESI2=+00002		HESI2=+00002		✓	
HDMI IN-HDMI1 EDID MODE	DEFAULT		VXX: EDM13=+00000	QVX: EDM13	EDM13=+00000		✓	
	SCREEN FIT		VXX: EDM13=+00001		EDM13=+00001		✓	
	USER		VXX: EDM13=+00010		EDM13=+00010		✓	
HDMI IN-HDMI2 EDID MODE	DEFAULT		VXX: EDM16=+00000	QVX: EDM16	EDM16=+00000		✓	
	SCREEN FIT		VXX: EDM16=+00001		EDM16=+00001		✓	
	USER		VXX: EDM16=+00010		EDM16=+00010		✓	
HDMI IN-HDMI* EDID RESOLUTION	HDMI1		VXX: EDRS3=****.****.*	QVX: EDRS3	EDRS3=****.****.*		✓	
	HDMI2		VXX: EDRS6=****.****.*	QVX: EDRS6	EDRS6=****.****.*		✓	
		1024x768p	VXX: *****=1024:0768:p		*****=1024:0768:p		✓	
		1280x720p	VXX: *****=1280:0720:p		*****=1280:0720:p		✓	
		1280x800p	VXX: *****=1280:0800:p		*****=1280:0800:p		✓	
		1280x1024p	VXX: *****=1280:1024:p		*****=1280:1024:p		✓	
		1366x768p	VXX: *****=1366:0768:p		*****=1366:0768:p		✓	
		1400x1050p	VXX: *****=1400:1050:p		*****=1400:1050:p		✓	
		1440x900p	VXX: *****=1440:0900:p		*****=1440:0900:p		✓	
	* PARAMETER	1600x900p	VXX: *****=1600:0900:p		*****=1600:0900:p		✓	
		1600x1200p	VXX: *****=1600:1200:p		*****=1600:1200:p		✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES			
				COMMANDS/CALL BACK	COMMANDS	CALL BACK					
DISPLAY OPTION	HDMI IN-HDMI* EDID VERTICAL SCAN FREQUENCY	HDMI1 HDMI2	1680x1050p	VXX: *****=1680:1050:p	QVX: EDVI3 QVX: EDVI6	*****=1680:1050:p	✓				
			1920x1080p	VXX: *****=1920:1080:p		*****=1920:1080:p	✓				
			1920x1080i	VXX: *****=1920:1080:i		*****=1920:1080:i	✓				
			1920x1200p	VXX: *****=1920:1200:p		*****=1920:1200:p	✓				
			2560x1080p	VXX: *****=2560:1080:p		*****=2560:1080:p	✓				
			3440x1440p	VXX: *****=3440:1440:p		*****=3440:1440:p	✓				
	HDMI IN-HDMI* EDID RESOLUTION / VERTICAL SCAN FREQUENCY	HDMI1 HDMI2	* PARAMETER1	1024x768	VXX: *****=1024:0768:*. *****	QVX: EDHS1 QVX: EDHS2	*****=1024:0768:*. *****	✓			
				1280x720	VXX: *****=1280:0720:*. *****		*****=1280:0720:*. *****	✓			
				1280x800	VXX: *****=1280:0800:*. *****		*****=1280:0800:*. *****	✓			
				1280x1024	VXX: *****=1280:1024:*. *****		*****=1280:1024:*. *****	✓			
				1366x768	VXX: *****=1366:0768:*. *****		*****=1366:0768:*. *****	✓			
				1400x1050	VXX: *****=1400:1050:*. *****		*****=1400:1050:*. *****	✓			
				1440x900	VXX: *****=1440:0900:*. *****		*****=1440:0900:*. *****	✓			
				1600x900	VXX: *****=1600:0900:*. *****		*****=1600:0900:*. *****	✓			
				1600x1200	VXX: *****=1600:1200:*. *****		*****=1600:1200:*. *****	✓			
				1680x1050	VXX: *****=1680:1050:*. *****		*****=1680:1050:*. *****	✓			
				1920x1080	VXX: *****=1920:1080:*. *****		*****=1920:1080:*. *****	✓			
				1920x1200	VXX: *****=1920:1200:*. *****		*****=1920:1200:*. *****	✓			
	HDMI IN-HDMI* EDID STATUS RESOLUTION / VERTICAL SCAN FREQUENCY	HDMI1 HDMI2	* PARAMETER2	2560x1080	VXX: *****=2560:1080:*. *****	QVX: ESHS1 QVX: ESHS2	*****=2560:1080:*. *****	✓			
				3440x1440	VXX: *****=3440:1440:*. *****		*****=3440:1440:*. *****	✓			
				Progressive	VXX: *****=*****:p: *****		*****=*****:p: *****	✓			
				Interlace	VXX: *****=*****:j: *****		*****=*****:j: *****	✓			
				60Hz	VXX: *****=*****:*. 06000		*****=*****:*. 06000	✓			
				50Hz	VXX: *****=*****:*. 05000		*****=*****:*. 05000	✓			
DIGITAL LINK-SIGNAL LEVEL	AUTO 0-1023 64-940	* PARAMETER1	1280x800	VXX: *****=*****:*. 04800	QVX: DKLI1	*****=*****:*. 04800	✓				
			1280x1024	VXX: *****=*****:*. 03000		*****=*****:*. 03000	✓				
			1366x768	VXX: *****=*****:*. 02500		*****=*****:*. 02500	✓				
			1400x1050	VXX: *****=*****:*. 02400		*****=*****:*. 02400	✓				
			1440x900	VXX: *****=*****:*. 02400		*****=*****:*. 02400	✓				
			1600x900	VXX: *****=*****:*. 02400		*****=*****:*. 02400	✓				
DIGITAL LINK-EDID SELECT (SINGLE LINK)	EDID1:4K/60p EDID2:4K/30p EDID3:2K	* PARAMETER2	60Hz	VXX: *****=*****:*. 06000	QVX: LESI1	*****=*****:*. 06000	✓				
			50Hz	VXX: *****=*****:*. 05000		*****=*****:*. 05000	✓				
			48Hz	VXX: *****=*****:*. 04800		*****=*****:*. 04800	✓				
			30Hz	VXX: *****=*****:*. 03000		*****=*****:*. 03000	✓				
			25Hz	VXX: *****=*****:*. 02500		*****=*****:*. 02500	✓				
			24Hz	VXX: *****=*****:*. 02400		*****=*****:*. 02400	✓				
DIGITAL LINK-EDID MODE	DEFAULT SCREEN FIT USER	* PARAMETER3	60Hz	VXX: *****=*****:*. 6000	QVX: EDMIA4	*****=*****:*. 6000	✓				
			50Hz	VXX: *****=*****:*. 5000		*****=*****:*. 5000	✓				
			48Hz	VXX: *****=*****:*. 4800		*****=*****:*. 4800	✓				
			30Hz	VXX: *****=*****:*. 3000		*****=*****:*. 3000	✓				
			25Hz	VXX: *****=*****:*. 2500		*****=*****:*. 2500	✓				
			24Hz	VXX: *****=*****:*. 2400		*****=*****:*. 2400	✓				
DIGITAL LINK-EDID RESOLUTION	1024x768p 1280x720p 1280x800p 1280x1024p 1366x768p 1400x1050p 1440x900p 1600x900p 1600x1200p 1680x1050p 1920x1080p 1920x1080i 1920x1200p 2560x1080p	* PARAMETER1	1024x768	VXX: EDRS4=1024:0768:p	QVX: EDRS4	EDRS4=1024:0768:p	✓				
			1280x720	VXX: EDRS4=1280:0720:p		EDRS4=1280:0720:p	✓				
			1280x800	VXX: EDRS4=1280:0800:p		EDRS4=1280:0800:p	✓				
			1280x1024	VXX: EDRS4=1280:1024:p		EDRS4=1280:1024:p	✓				
			1366x768	VXX: EDRS4=1366:0768:p		EDRS4=1366:0768:p	✓				
			1400x1050	VXX: EDRS4=1400:1050:p		EDRS4=1400:1050:p	✓				
			1440x900	VXX: EDRS4=1440:0900:p		EDRS4=1440:0900:p	✓				
			1600x900	VXX: EDRS4=1600:0900:p		EDRS4=1600:0900:p	✓				
			1600x1200	VXX: EDRS4=1600:1200:p		EDRS4=1600:1200:p	✓				
			1680x1050	VXX: EDRS4=1680:1050:p		EDRS4=1680:1050:p	✓				
			1920x1080	VXX: EDRS4=1920:1080:p		EDRS4=1920:1080:p	✓				
			1920x1080i	VXX: EDRS4=1920:1080:i		EDRS4=1920:1080:i	✓				
			1920x1200p	VXX: EDRS4=1920:1200:p		EDRS4=1920:1200:p	✓				
			2560x1080p	VXX: EDRS4=2560:1080:p		EDRS4=2560:1080:p	✓				
			DIGITAL LINK-EDID VERTICAL SCAN FREQUENCY	60Hz 50Hz 48Hz 30Hz 25Hz 24Hz		* PARAMETER2	60Hz	VXX: EDVI4=+06000	QVX: EDVI4	EDVI4=+06000	✓
							50Hz	VXX: EDVI4=+05000		EDVI4=+05000	✓
							48Hz	VXX: EDVI4=+04800		EDVI4=+04800	✓
							30Hz	VXX: EDVI4=+03000		EDVI4=+03000	✓
25Hz	VXX: EDVI4=+02500	EDVI4=+02500			✓						
24Hz	VXX: EDVI4=+02400	EDVI4=+02400			✓						
DIGITAL LINK-EDID RESOLUTION / VERTICAL SCAN FREQUENCY	1024x768 1280x720 1280x800 1280x1024 1366x768 1400x1050 1440x900 1600x900 1600x1200 1680x1050 1920x1080 1920x1200 2560x1080	* PARAMETER1	1024x768	VXX: EDLS1=*****:*. *****	QVX: EDLS1	EDLS1=*****:*. *****	✓				
			1280x720	VXX: EDLS1=1024:0768:*. *****		EDLS1=1024:0768:*. *****	✓				
			1280x800	VXX: EDLS1=1280:0720:*. *****		EDLS1=1280:0720:*. *****	✓				
			1280x1024	VXX: EDLS1=1280:0800:*. *****		EDLS1=1280:0800:*. *****	✓				
			1366x768	VXX: EDLS1=1280:1024:*. *****		EDLS1=1280:1024:*. *****	✓				
			1400x1050	VXX: EDLS1=1366:0768:*. *****		EDLS1=1366:0768:*. *****	✓				
			1440x900	VXX: EDLS1=1400:1050:*. *****		EDLS1=1400:1050:*. *****	✓				
			1600x900	VXX: EDLS1=1440:0900:*. *****		EDLS1=1440:0900:*. *****	✓				
			1600x1200	VXX: EDLS1=1600:0900:*. *****		EDLS1=1600:0900:*. *****	✓				
			1600x1200	VXX: EDLS1=1600:1200:*. *****		EDLS1=1600:1200:*. *****	✓				
			1680x1050	VXX: EDLS1=1680:1050:*. *****		EDLS1=1680:1050:*. *****	✓				
			1920x1080	VXX: EDLS1=1920:1080:*. *****		EDLS1=1920:1080:*. *****	✓				
			1920x1200	VXX: EDLS1=1920:1200:*. *****		EDLS1=1920:1200:*. *****	✓				
			2560x1080	VXX: EDLS1=2560:1080:*. *****		EDLS1=2560:1080:*. *****	✓				
			DIGITAL LINK-EDID STATUS RESOLUTION / VERTICAL SCAN FREQUENCY	1024x768 1280x720 1280x800 1280x1024		* PARAMETER2	Progressive	VXX: EDLS1=*****:p: *****	QVX: ESLS1	EDLS1=*****:p: *****	✓
							Interlace	VXX: EDLS1=*****:j: *****		EDLS1=*****:j: *****	✓
							60Hz	VXX: EDLS1=*****:*. 6000		EDLS1=*****:*. 6000	✓
							50Hz	VXX: EDLS1=*****:*. 5000		EDLS1=*****:*. 5000	✓
48Hz	VXX: EDLS1=*****:*. 4800	EDLS1=*****:*. 4800			✓						
30Hz	VXX: EDLS1=*****:*. 3000	EDLS1=*****:*. 3000			✓						



CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
		* PARAMETER1	1366x768				ESLS1=1366:0768:*.****	✓
			1400x1050				ESLS1=1400:1050:*.****	✓
			1440x900				ESLS1=1440:0900:*.****	✓
			1600x900				ESLS1=1600:0900:*.****	✓
			1600x1200				ESLS1=1600:1200:*.****	✓
			1680x1050				ESLS1=1680:1050:*.****	✓
			1920x1080				ESLS1=1920:1080:*.****	✓
			1920x1200				ESLS1=1920:1200:*.****	✓
			2560x1080				ESLS1=2560:1080:*.****	✓
			* PARAMETER2	Progressive Interlace				ESLS1=*****:p:****
					ESLS1=*****:i:****	✓		
* PARAMETER3	60Hz				ESLS1=*****:*.6000	✓		
	50Hz				ESLS1=*****:*.5000	✓		
	48Hz				ESLS1=*****:*.4800	✓		
	30Hz				ESLS1=*****:*.3000	✓		
	25Hz				ESLS1=*****:*.2500	✓		
	24Hz				ESLS1=*****:*.2400	✓		
SDI IN-SIGNAL LEVEL (SDI1)	64-940			VXX:SSLI1=+00000	QVX:SSLI1	SSLI1=+00000	✓	
	4-1019			VXX:SSLI1=+00001		SSLI1=+00001	✓	
SDI IN-BIT DEPTH (SDI1)	AUTO			VXX:SBTI1=+00000	QVX:SBTI1	SBTI1=+00000	✓	
	12-bit			VXX:SBTI1=+00001		SBTI1=+00001	✓	
	10-bit			VXX:SBTI1=+00002		SBTI1=+00002	✓	
SDI IN-3G SDI MAPPING (SDI1)	AUTO			VXX:SGMI1=+00000	QVX:SGMI1	SGMI1=+00000	✓	
	LEVEL A			VXX:SGMI1=+00001		SGMI1=+00001	✓	
	LEVEL B			VXX:SGMI1=+00002		SGMI1=+00002	✓	
SDI RESOLUTION	* PARAMETER			VXX:*****+*****	QVX:*****	*****+*****	✓	
	* PARAMETER1	SDI1		VXX:SRSI1=+*****		SRSI1=+*****	✓	
		AUTO		VXX:*****+00000		*****+00000	✓	
		1280x720p		VXX:*****+00003		*****+00003	✓	
		1920x1080i		VXX:*****+00005		*****+00005	✓	
		1920x1080p		VXX:*****+00006		*****+00006	✓	
		1920x1080sF		VXX:*****+00007		*****+00007	✓	
		2048x1080p		VXX:*****+00009		*****+00009	✓	
SDI SYSTEM SELECTOR	* PARAMETER			VXX:SYSS1=*.****:*****	QVX:SYSS1=*.****	SYSS1=*.****:*****	✓	
	* PARAMETER1, 2	SDI1		VXX:SYSS1=1:1		SYSS1=1:1:*****	✓	
		AUTO		VXX:SYSS1=*.****:00000		SYSS1=*.****:00000	✓	
		RGB		VXX:SYSS1=*.****:00001		SYSS1=*.****:00001	✓	
		YPbPr4:4:4		VXX:SYSS1=*.****:00002		SYSS1=*.****:00002	✓	
		YPbPr4:2:2		VXX:SYSS1=*.****:00003		SYSS1=*.****:00003	✓	
MULTI PROJECTOR SYNC - MODE	OFF			VXX:MPSI1=+00000	QVX:MPSI1	MPSI1=+00000	✓	
	MAIN			VXX:MPSI1=+00001		MPSI1=+00001	✓	
	SUB			VXX:MPSI1=+00002		MPSI1=+00002	✓	
MULTI PROJECTOR SYNC - LINK STATUS	NO LINK				QVX:MPSI2	MPSI2=+00000	✓	
	LINKED					MPSI2=+00001	✓	
MULTI PROJECTOR SYNC - CONTRAST STATUS	OFF				QVX:DCSI1	DCSI1=+00000	✓	
	DYNAMIC CONTRAST					DCSI1=+00001	✓	
	DYNAMIC CONTRAST NX					DCSI1=+00002	✓	
FRAME SYNC SETTING(MULTI PROJECTOR SYNC) - CONTRAST SYNC.	OFF			VXX:CSYI1=+00000	QVX:CSYI1	CSYI1=+00000	✓	
	ON			VXX:CSYI1=+00001		CSYI1=+00001	✓	
MULTI PROJECTOR SYNC - SHUTTER SYNC.	OFF			VXX:SSYI1=+00000	QVX:SSYI1	SSYI1=+00000	✓	
	ON			VXX:SSYI1=+00001		SSYI1=+00001	✓	
INPUT GUIDE	OFF			OID:0	QDI	0	✓	
	ON (SIMPLE)			OID:1		1	✓	
OSD POSITION	UPPER LEFT			ODP:1	QDP	1	✓	
	CETRE LEFT			ODP:2		2	✓	
	LOWER LEFT			ODP:3		3	✓	
	TOP CENTER			ODP:4		4	✓	
	CENTER			ODP:5		5	✓	
	LOEER CENTER			ODP:6		6	✓	
	UPPER RIGHT			ODP:7		7	✓	
	CENTER RIGHT			ODP:8		8	✓	
	LOWER RIGHT			ODP:9		9	✓	
OSD ROTATION	OFF			VXX:OSRI1=+00000	QVX:OSRI1	OSRI1=+00000	✓	
	CLOCKWISE			VXX:OSRI1=+00001		OSRI1=+00001	✓	
	COUNTER CLOCKWISE			VXX:OSRI1=+00002		OSRI1=+00002	✓	
OSD MEMORY	OFF			VXX:OMYI0=+00000	QVX:OMYI0	OMYI0=+00000	✓	
	ON			VXX:OMYI0=+00001		OMYI0=+00001	✓	
ON SCREEN	OFF			OOS:0	QOS	0	✓	
	ON			OOS:1		1	✓	
WARNING MESSAGE	OFF			VXX:WMDI0=+00000	QVX:WMDI0	WMDI0=+00000	✓	
	ON			VXX:WMDI0=+00001		WMDI0=+00001	✓	
OSD DESIGN	1(YELLOW)			MOD:0	QOD	0	✓	
	2(BLUE)			MOD:1		1	✓	
	3(WHITE)			MOD:2		2	✓	
	4(GREEN)			MOD:3		3	✓	
	5(PEACH)			MOD:4		4	✓	
	6(BROWN)			MOD:5		5	✓	
MENU MODE	NORMAL			VXX:MMDI1=+00000	QVX:MMDI1	MMDI1=+00000	✓	
	SIMPLE			VXX:MMDI1=+00001		MMDI1=+00001	✓	
IMAGE ROTATION	OFF			VXX:IROI1=+00000	QVX:IROI1	IROI1=+00000	✓	
	CLOCKWISE			VXX:IROI1=+00001		IROI1=+00001	✓	
	COUNTER CLOCKWISE			VXX:IROI1=+00002		IROI1=+00002	✓	
SCREEN SETTING	16:10			VSF:0	QSF	0	✓	
	16:9			VSF:1		1	✓	
	4:3			VSF:2		2	✓	
SCREEN POSITION-VERTICAL	min.			VXX:VSPI0=-00120	QVX:VSPI0	VSPI0=-00120	-60	
	max.			VXX:VSPI0=+00120		VSPI0=+00120	60	
SCREEN POSITION-HORIZONTAL	min.			VXX:HSPI0=-00320	QVX:HSPI0	HSPI0=-00320	-160	
	max.			VXX:HSPI0=+00320		HSPI0=+00320	+160	
STARTUP LOGO	OFF			MLO:0	QLO	0	✓	
	USER LOGO			MLO:1		1	✓	
	DEFAULT LOGO			MLO:2		2	✓	
UNIFORMITY-PC CORRECTION *	OFF			VXX:UFMI1=+00000	QVX:UFMI1	UFMI1=+00000	✓	
	ON(PC)			VXX:UFMI1=+00001		UFMI1=+00001	✓	
	ON(USER)			VXX:UFMI1=+00101		UFMI1=+00101	✓	
UNIFORMITY - USER CORRECTION - ADJUSTMENT LEVEL	min.			VXX:UFMI4=+00001	QVX:UFMI4	UFMI4=+00001	1	
	max.			VXX:UFMI4=+00007		UFMI4=+00007	5	
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:*.****	✓	
		LEFT		VXX:UFMS6=6:*.****		UFMS6=6:*.****	✓	
		RIGHT		VXX:UFMS6=7:*.****		UFMS6=7:*.****	✓	
		ALL		VXX:UFMS6=8:*.****		UFMS6=8:*.****	✓	
	* PARAMETER2	RED		VXX:UFMS6=*.R:****		UFMS6=*.R:****	✓	
		GREEN		VXX:UFMS6=*.G:****		UFMS6=*.G:****	✓	
		BLUE		VXX:UFMS6=*.B:****		UFMS6=*.B:****	✓	
	* PARAMETER3	min.		VXX:UFMS6=*.:-00031		UFMS6=*.:-00031	-127	
		0		VXX:UFMS6=*.:+00000		UFMS6=*.:+00000	✓	
		max.		VXX:UFMS6=*.:+00031		UFMS6=*.:+00031	127	
UNIFORMITY - USER CORRECTION - ADJUSTMENT POSITION - INITIALIZE	EXECUTE			VXX:UFMI7=+00001			✓	
UNIFORMITY-WHITE/RED/GREEN/RED	* PARAMETER			E\$W:*.****,****,****,****	E\$R:*.****	****,****,****,****	✓	



CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
		* PARAMETER 1	WHITE RED GREEN BLUE	E\$W:W,****,****,** E\$W:R,****,****,** E\$W:G,****,****,** E\$W:B,****,****,**	E\$R:W,** E\$R:R,** E\$R:G,** E\$R:B,**	** ,**** ,**** ** ,**** ,**** ** ,**** ,**** ** ,**** ,****	✓ ✓ ✓ ✓	
		* PARAMETER 2	VERTICAL(-127) VERTICAL(+127)	E\$W:*,-127,****,** E\$W:*,+127,****,**	E\$R:*,** E\$R:*,**	** ,-127,**** ** ,+127,****	✓ ✓	
		* PARAMETER 3	HORIZONTAL(-127) HORIZONTAL(+127)	E\$W:*,****,-127,** E\$W:*,****,+127,**	E\$R:*,** E\$R:*,**	** ,**** ,-127 ** ,**** ,+127	✓ ✓	
		* PARAMETER 4	L1(OFF) L1(ON) L2(OFF) L2(ON)	E\$W:*,****,****,0* E\$W:*,****,****,1* E\$W:*,****,****,*0 E\$W:*,****,****,*1	E\$R:*,0* E\$R:*,1* E\$R:*,*0 E\$R:*,*1	0* ,**** ,**** 1* ,**** ,**** *0 ,**** ,**** *1 ,**** ,****	✓ ✓ ✓ ✓	
	UNIFORMITY-WHITE/RED/GREEN/RED	* PARAMETER	WHITE RED GREEN BLUE	E\$W:*,****,**** E\$W:R,****,**** E\$W:G,****,**** E\$W:B,****,****	E\$R:*,** E\$R:W E\$R:R E\$R:G E\$R:B	** ,**** ,**** ** ,**** ,**** ** ,**** ,**** ** ,**** ,**** ** ,**** ,****	✓ ✓ ✓ ✓	
		* PARAMETER 1	WHITE RED GREEN BLUE	E\$W:W,****,**** E\$W:R,****,**** E\$W:G,****,**** E\$W:B,****,****	E\$R:W E\$R:R E\$R:G E\$R:B	** ,**** ,**** ** ,**** ,**** ** ,**** ,**** ** ,**** ,****	✓ ✓ ✓ ✓	
		* PARAMETER 2	VERTICAL(-127) VERTICAL(+127)	E\$W:*,-127,**** E\$W:*,+127,****		** ,-127,**** ** ,+127,****	✓ ✓	
		* PARAMETER 3	HORIZONTAL(-127) HORIZONTAL(+127)	E\$W:*,****,-127 E\$W:*,****,+127		** ,**** ,-127 ** ,**** ,+127	✓ ✓	
	SHUTTER SETTING-FADE IN	0.0s(OFF)		VXX:SEFS1=0.0	QVX:SEFS1	SEFS1=0.0	✓	
		0.5s		VXX:SEFS1=0.5		SEFS1=0.5	✓	
		1.0s		VXX:SEFS1=1.0		SEFS1=1.0	✓	
		1.5s		VXX:SEFS1=1.5		SEFS1=1.5	✓	
		2.0s		VXX:SEFS1=2.0		SEFS1=2.0	✓	
		2.5s		VXX:SEFS1=2.5		SEFS1=2.5	✓	
		3.0s		VXX:SEFS1=3.0		SEFS1=3.0	✓	
		3.5s		VXX:SEFS1=3.5		SEFS1=3.5	✓	
		4.0s		VXX:SEFS1=4.0		SEFS1=4.0	✓	
		5.0s		VXX:SEFS1=5.0		SEFS1=5.0	✓	
	SHUTTER SETTING-FADE OUT	0.0s(OFF)		VXX:SEFS2=0.0	QVX:SEFS2	SEFS2=0.0	✓	
		0.5s		VXX:SEFS2=0.5		SEFS2=0.5	✓	
1.0s			VXX:SEFS2=1.0		SEFS2=1.0	✓		
1.5s			VXX:SEFS2=1.5		SEFS2=1.5	✓		
2.0s			VXX:SEFS2=2.0		SEFS2=2.0	✓		
2.5s			VXX:SEFS2=2.5		SEFS2=2.5	✓		
3.0s			VXX:SEFS2=3.0		SEFS2=3.0	✓		
3.5s			VXX:SEFS2=3.5		SEFS2=3.5	✓		
4.0s			VXX:SEFS2=4.0		SEFS2=4.0	✓		
5.0s			VXX:SEFS2=5.0		SEFS2=5.0	✓		
SHUTTER SETTING-STARTUP	OPEN		VXX:SEFI3=+00000	QVX:SEFI3	SEFI3=+00000	✓		
	CLOSE		VXX:SEFI3=+00001		SEFI3=+00001	✓		
BACK COLOR	BLUE		OBC:0	QBC	0	✓		
	BLACK		OBC:1		1	✓		
	USER LOGO		OBC:2		2	✓		
	DEFAULT LOGO		OBC:3		3	✓		
WAVEFORM MONITOR	OFF		OWM:0	QWM	0	✓		
	LUMINANCE		OWM:5		5	✓		
	RED		OWM:6		6	✓		
	GREEN		OWM:7		7	✓		
	BLUE		OWM:8		8	✓		
WAVEFORM MONITOR-LINE ADJ.	0		VXX:WMLI0=+00000	QVX:WMLI0	WMLI0=+00000	✓		
	+2159		VXX:WMLI0=+02159		WMLI0=+02159	✓		
AC VOLTAGE				QVX:VMOI2	VMOI2=+00000	✓		
					VMOI2=+99999	✓		
CUT OFF-RED	OFF		VXX:CUTI1=+00000	QVX:CUTI1	CUTI1=+00000	✓		
	ON		VXX:CUTI1=+00001		CUTI1=+00001	✓		
CUT OFF-GREEN	OFF		VXX:CUTI2=+00000	QVX:CUTI2	CUTI2=+00000	✓		
	ON		VXX:CUTI2=+00001		CUTI2=+00001	✓		
CUT OFF-BLUE	OFF		VXX:CUTI3=+00000	QVX:CUTI3	CUTI3=+00000	✓		
	ON		VXX:CUTI3=+00001		CUTI3=+00001	✓		
STATUS			STS			✓		
PROJECTOR ID	0(ALL)		RIS:00			✓		
	64		RIS:64			✓		
ID ALL	OFF		RVS:0	QVY	0	✓		
	ON		RVS:1		1	✓		
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	✓		
PROJECTION METHOD(AUTO)	REAR/AUTO		OIL:5		5	✓		
	FRONT/DESK			QVX:PJMI2	PJMI2=+00000	✓		
	REAR/DESK				PJMI2=+00001	✓		
	FRONT/CEILING				PJMI2=+00002	✓		
	REAR/CEILING				PJMI2=+00003	✓		
AUTO COOLING CONDITION-STATUS	FLOOR			QVX:ADRI1	ADRI1=+00000	✓		
	CEILING				ADRI1=+00001	✓		
	VERTICAL UP				ADRI1=+00002	✓		
	VERTICAL DOWN				ADRI1=+00003	✓		
OPERATING MODE	PORTRAIT				ADRI1=+00004	✓		
	NORMAL		VXX:OPEI1=+00000	QVX:OPEI1	OPEI1=+00000	✓		
	QUIET1(QUIET)		VXX:OPEI1=+00021		OPEI1=+00021	✓		
	USER1(USER)		VXX:OPEI1=+00101		OPEI1=+00101	✓		
	USER2		VXX:OPEI1=+00102		OPEI1=+00102	✓		
LIGHT OUTPUT	USER3		VXX:OPEI1=+00103		OPEI1=+00103	✓		
	min.		VXX:LOPI2=+00050	QVX:LOPI2	LOPI2=+00050	8%		
STANDBY MODE	max.		VXX:LOPI2=+01000		LOPI2=+01000	100%		
	NORMAL		VXX:STMI0=+00000	QVX:STMI0	STMI0=+00000	✓		
QUICK STARTUP	ECO		VXX:STMI0=+00003		STMI0=+00003	✓		
	OFF		VXX:QSUI1=+00000	QVX:QSUI1	QSUI1=+00000	✓		
QUICK STARTUP-VALID PERIOD	ON		VXX:QSUI1=+00001		QSUI1=+00001	✓		
	30MIN.		VXX:QSUI2=+00030	QVX:QSUI2	QSUI2=+00030	✓		
	60MIN.		VXX:QSUI2=+00060		QSUI2=+00060	✓		
SCHEDULE	90MIN.		VXX:QSUI2=+00090		QSUI2=+00090	✓		
	OFF		VXX:SCHIO=+00000	QVX:SCHIO	SCHIO=+00000	✓		
	ON		VXX:SCHIO=+00001		SCHIO=+00001	✓		
SCHEDULE-PROGRAM ASSIGN	OFF		VXX:SPGI*=+00000	QVX:SPGI*	SPGI*=+00000	✓		
	PROGRAM1		VXX:SPGI*=+00001		SPGI*=+00001	✓		
	PROGRAM2		VXX:SPGI*=+00002		SPGI*=+00002	✓		
	PROGRAM3		VXX:SPGI*=+00003		SPGI*=+00003	✓		
	PROGRAM4		VXX:SPGI*=+00004		SPGI*=+00004	✓		
	PROGRAM5		VXX:SPGI*=+00005		SPGI*=+00005	✓		
	PROGRAM6		VXX:SPGI*=+00006		SPGI*=+00006	✓		
	PROGRAM7		VXX:SPGI*=+00007		SPGI*=+00007	✓		
	SUN		VXX:SPGI0=+0000*	QVX:SPGI0	SPGI0=+0000*	✓		
	MON		VXX:SPGI1=+0000*	QVX:SPGI1	SPGI1=+0000*	✓		
TUE		VXX:SPGI2=+0000*	QVX:SPGI2	SPGI2=+0000*	✓			
* PARAMETER	WED		VXX:SPGI3=+0000*	QVX:SPGI3	SPGI3=+0000*	✓		

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES	
				COMMANDS/CALL BACK	COMMANDS	CALL BACK			
PROJECTOR SETUP	SCHEDULE-COMMAND SETTING		THU	VXX:SPGI4=+0000*	QVX:SPGI4	SPGI4=+0000*		✓	
			FRI	VXX:SPGI5=+0000*	QVX:SPGI5	SPGI5=+0000*		✓	
			SAT	VXX:SPGI6=+0000*	QVX:SPGI6	SPGI6=+0000*		✓	
		COMMAND Del		VXX:SCCS*=**00****	QVX:SCCS*=**	SCCS*=**00****		✓	
		STANDBY		VXX:SCCS*=**10****		SCCS*=**10****		✓	
		POWER ON		VXX:SCCS*=**11****		SCCS*=**11****		✓	
		SHUTTER OPEN		VXX:SCCS*=**20****		SCCS*=**20****		✓	
		SHUTTER CLOSE		VXX:SCCS*=**21****		SCCS*=**21****		✓	
		SDI1 INPUT		VXX:SCCS*=**52****		SCCS*=**52****		✓	
		HDMI1 INPUT		VXX:SCCS*=**53****		SCCS*=**53****		✓	
		HDMI2 INPUT		VXX:SCCS*=**54****		SCCS*=**54****		✓	
		NORMAL		VXX:SCCS*=**70****		SCCS*=**70****		✓	
		USER1(USER)		VXX:SCCS*=**75****		SCCS*=**75****		✓	
		USER2		VXX:SCCS*=**76****		SCCS*=**76****		✓	
		USER3		VXX:SCCS*=**77****		SCCS*=**77****		✓	
		SILENT1(QUIET1/QUIET)		VXX:SCCS*=**7A****		SCCS*=**7A****		✓	
		DIGITAL LINK		VXX:SCCS*=**B0****		SCCS*=**B0****		✓	
		INPUT 1		VXX:SCCS*=**B1****		SCCS*=**B1****		✓	
		INPUT 2		VXX:SCCS*=**B2****		SCCS*=**B2****		✓	
		INPUT 3		VXX:SCCS*=**B3****		SCCS*=**B3****		✓	
		INPUT 4		VXX:SCCS*=**B4****		SCCS*=**B4****		✓	
		INPUT 5		VXX:SCCS*=**B5****		SCCS*=**B5****		✓	
		INPUT 6		VXX:SCCS*=**B6****		SCCS*=**B6****		✓	
		INPUT 7		VXX:SCCS*=**B7****		SCCS*=**B7****		✓	
		INPUT 8		VXX:SCCS*=**B8****		SCCS*=**B8****		✓	
		INPUT 9		VXX:SCCS*=**B9****		SCCS*=**B9****		✓	
		INPUT 10		VXX:SCCS*=**BA****		SCCS*=**BA****		✓	
		QUICK STARTUP OFF		VXX:SCCS*=**A2****		SCCS*=**A2****		✓	
		QUICK STARTUP ON		VXX:SCCS*=**A3****		SCCS*=**A3****		✓	
		* PARAMETER1	PROGRAM1		VXX:SCCS1=*****	QVX:SCCS1=**	SCCS1=*****		✓
			PROGRAM2		VXX:SCCS2=*****	QVX:SCCS2=**	SCCS2=*****		✓
			PROGRAM3		VXX:SCCS3=*****	QVX:SCCS3=**	SCCS3=*****		✓
			PROGRAM4		VXX:SCCS4=*****	QVX:SCCS4=**	SCCS4=*****		✓
			PROGRAM5		VXX:SCCS5=*****	QVX:SCCS5=**	SCCS5=*****		✓
			PROGRAM6		VXX:SCCS6=*****	QVX:SCCS6=**	SCCS6=*****		✓
			PROGRAM7		VXX:SCCS7=*****	QVX:SCCS7=**	SCCS7=*****		✓
		* PARAMETER2	COMMAND 1		VXX:SCCS*=01*****	QVX:SCCS*=01	SCCS*=01*****		✓
			COMMAND 16		VXX:SCCS*=16*****	QVX:SCCS*=16	SCCS*=16*****		✓
		* PARAMETER3	00:00		VXX:SCCS*=***0000		SCCS*=***0000		✓
			23:59		VXX:SCCS*=***2359		SCCS*=***2359		✓
		STARTUP INPUT SELECT	HDMI1		VXX:SISS1=HD1	QVX:SISS1	SISS1=HD1		✓
			HDMI2		VXX:SISS1=HD2		SISS1=HD2		✓
			DIGITAL LINK		VXX:SISS1=DL1		SISS1=DL1		✓
			SDI1		VXX:SISS1=SD1		SISS1=SD1		✓
			LAST USED		VXX:SISS1=LSU		SISS1=LSU		✓
		STARTUP INPUT SELECT (DIGITAL LINK)	LAST USED		VXX:SISI2=+00000	QVX:SISI2	SISI2=+00000		✓
			INPUT1		VXX:SISI2=+00001		SISI2=+00001		✓
			INPUT2		VXX:SISI2=+00002		SISI2=+00002		✓
			INPUT3		VXX:SISI2=+00003		SISI2=+00003		✓
			INPUT4		VXX:SISI2=+00004		SISI2=+00004		✓
			INPUT5		VXX:SISI2=+00005		SISI2=+00005		✓
			INPUT6		VXX:SISI2=+00006		SISI2=+00006		✓
			INPUT7		VXX:SISI2=+00007		SISI2=+00007		✓
			INPUT8		VXX:SISI2=+00008		SISI2=+00008		✓
			INPUT9		VXX:SISI2=+00009		SISI2=+00009		✓
			INPIT10		VXX:SISI2=+00010		SISI2=+00010		✓
		RS232C-RESPONSE	OFF		RVS:0	QVY	0		✓
			ON		RVS:1		1		✓
		NO SIGNAL SHUT-OFF	DISABLE		OAF:00	QAF	00		✓
			10min		OAF:10		10		✓
			20min		OAF:20		20		✓
			30min		OAF:30		30		✓
			40min		OAF:40		40		✓
			50min		OAF:50		50		✓
			60min		OAF:60		60		✓
			70min		OAF:70		70		✓
			80min		OAF:80		80		✓
			90min		OAF:90		90		✓
		NO SIGNAL LIGHTS-OUT	DISABLE		VXX:SLOI1=+00000	QVX:SLOI1	SLOI1=+00000		✓
			10SEC.		VXX:SLOI1=+00010		SLOI1=+00010		✓
			20SEC.		VXX:SLOI1=+00020		SLOI1=+00020		✓
			30SEC.		VXX:SLOI1=+00030		SLOI1=+00030		✓
			1MIN.		VXX:SLOI1=+00060		SLOI1=+00060		✓
			2MIN.		VXX:SLOI1=+00120		SLOI1=+00120		✓
			3MIN.		VXX:SLOI1=+00180		SLOI1=+00180		✓
			5MIN.		VXX:SLOI1=+00300		SLOI1=+00300		✓
		NO SIGNAL SETTING - SECONDARY INPUT	OFF		VXX:SINS1=OFF	QVX:SINS1	SINS1=OFF		✓
			HDMI1		VXX:SINS1=HD1		SINS1=HD1		✓
			HDMI2		VXX:SINS1=HD2		SINS1=HD2		✓
			SDI		VXX:SINS1=SDI		SINS1=SDI		✓
			SDI1		VXX:SINS1=SD1		SINS1=SD1		✓
			DIGITAL LINK		VXX:SINS1=DL1		SINS1=DL1		✓
		REMOTE2 - MODE	DEFAULT		VXX:RMPI0=+00000	QVX:RMPI0	RMPI0=+00000		✓
			USER		VXX:RMPI0=+00001		RMPI0=+00001		✓
		REMOTE2 - PIN2	NONE		VXX:RMPS1=P2<NONE	QVX:RMPS1=P2	RMPS1=P2<NONE		✓
			POWER		VXX:RMPS1=P2<POWER		RMPS1=P2<POWER		✓
		REMOTE2 - PIN3 - 7	* PARAMETER		VXX:RMPS1=P*<*****	QVX:RMPS1=P*			✓
			* PARAMETER1	PIN3	VXX:RMPS1=P3<*****		RMPS1=P3<*****		✓
				PIN4	VXX:RMPS1=P4<*****		RMPS1=P4<*****		✓
				PIN5	VXX:RMPS1=P5<*****		RMPS1=P5<*****		✓
				PIN6	VXX:RMPS1=P6<*****		RMPS1=P6<*****		✓
				PIN7	VXX:RMPS1=P7<*****		RMPS1=P7<*****		✓
			* PARAMETER2	NONE	VXX:RMPS1=P*<NONE		RMPS1=P*<NONE		✓
				HDMI	VXX:RMPS1=P*<HDMI		RMPS1=P*<HDMI		✓
				HDMI1	VXX:RMPS1=P*<HDMI1		RMPS1=P*<HDMI1		✓
				HDMI2	VXX:RMPS1=P*<HDMI2		RMPS1=P*<HDMI2		✓
				SDI1	VXX:RMPS1=P*<SDI		RMPS1=P*<SDI		✓
			DIGITAL LINK		VXX:RMPS1=P*<DLINK		RMPS1=P*<DLINK		✓
		REMOTE2 - PIN8	NONE		VXX:RMPS1=P8<NONE	QVX:RMPS1=P8	RMPS1=P8<NONE		✓
			SHUTTER	SHUTTER	VXX:RMPS1=P8<SHUTTER		RMPS1=P8<SHUTTER		✓
	FUNCTION BUTTON	DISABLE		OFC:0	QFC	0		✓	
		SYSTEM SELECTOR		OFC:1		1		✓	
		SYSTEM DAYLIGHT VIEW		OFC:2		2		✓	
		SUB MEMORY		OFC:3		3		✓	
		FREEZE		OFC:4		4		✓	
		WAVEFORM MONITOR		OFC:6		6		✓	
		LENS MEMORY LOAD		OFC:7		7		✓	
		PROJECTION METHOD		OFC:10		10		✓	
		GEOMETRY		OFC:13		13		✓	
	DATE AND TIME-DATE SETTING	Year: yyyy		TSD:201506151	QGD	201506161		✓	
		Month: mm		TSD:yyyymmddw		yyyymmddw		✓	
		Date: dd						✓	
		Day:w(1~7:Mon~Sun)						✓	
	DATE AND TIME-TIME SETTING	Hour: hh		TST:154503	QGT	154503		✓	
		Minute: mm		TST:hmmss		hmmss		✓	
		Second: ss						✓	
	DATE AND TIME-NTP SYNCHRONIZATION	OFF		VXX:NTPI0=+00000	QVX:NTPI0	NTPI0=+00000		✓	
		ON		VXX:NTPI0=+00001		NTPI0=+00001		✓	

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
	LENS CALIBRATION	EXECUTE (ALL)		VXX: LNSI0=+00001				✓
	LENS MEMORY1 NAME CHANGE	LENSMEMORY1		VXX: NCGS5=LENSMEMORY1	QVX: NCGS5	NCGS5=LENSMEMORY1		✓
	LENS MEMORY2 NAME CHANGE	LENSMEMORY2		VXX: NCGS6=LENSMEMORY2	QVX: NCGS6	NCGS6=LENSMEMORY2		✓
	LENS MEMORY3 NAME CHANGE	LENSMEMORY3		VXX: NCGS7=LENSMEMORY3	QVX: NCGS7	NCGS7=LENSMEMORY3		✓
	LENS MEMORY4 NAME CHANGE	LENSMEMORY4		VXX: NCGS9=LENSMEMORY4	QVX: NCGS9	NCGS9=LENSMEMORY4		✓
	LENS MEMORY5 NAME CHANGE	LENSMEMORY5		VXX: NCGSA=LENSMEMORY5	QVX: NCGSA	NCGSA=LENSMEMORY5		✓
	LENS MEMORY6 NAME CHANGE	LENSMEMORY6		VXX: NCGSB=LENSMEMORY6	QVX: NCGSB	NCGSB=LENSMEMORY6		✓
	LENS MEMORY7 NAME CHANGE	LENSMEMORY7		VXX: NCGSC=LENSMEMORY7	QVX: NCGSC	NCGSC=LENSMEMORY7		✓
	LENS MEMORY8 NAME CHANGE	LENSMEMORY8		VXX: NCGSD=LENSMEMORY8	QVX: NCGSD	NCGSD=LENSMEMORY8		✓
	LENS MEMORY9 NAME CHANGE	LENSMEMORY9		VXX: NCGSE=LENSMEMORY9	QVX: NCGSE	NCGSE=LENSMEMORY9		✓
	LENS MEMORY10 NAME CHANGE	LENSMEMORY10		VXX: NCGSF=LENSMEMORY10	QVX: NCGSF	NCGSF=LENSMEMORY10		✓
	LENS MEMORY-LOAD	LENS MEMORY1		VXX: LNMI1=+00000				✓
		LENS MEMORY2		VXX: LNMI1=+00001				✓
		LENS MEMORY3		VXX: LNMI1=+00002				✓
		LENS MEMORY4		VXX: LNMI1=+00003				✓
		LENS MEMORY5		VXX: LNMI1=+00004				✓
		LENS MEMORY6		VXX: LNMI1=+00005				✓
		LENS MEMORY7		VXX: LNMI1=+00006				✓
		LENS MEMORY8		VXX: LNMI1=+00007				✓
		LENS MEMORY9		VXX: LNMI1=+00008				✓
		LENS MEMORY10		VXX: LNMI1=+00009				✓
	LENS MEMORY-SAVE	LENS MEMORY1		VXX: LNMI2=+00000				✓
		LENS MEMORY2		VXX: LNMI2=+00001				✓
		LENS MEMORY3		VXX: LNMI2=+00002				✓
		LENS MEMORY4		VXX: LNMI2=+00003				✓
		LENS MEMORY5		VXX: LNMI2=+00004				✓
		LENS MEMORY6		VXX: LNMI2=+00005				✓
		LENS MEMORY7		VXX: LNMI2=+00006				✓
		LENS MEMORY8		VXX: LNMI2=+00007				✓
		LENS MEMORY9		VXX: LNMI2=+00008				✓
		LENS MEMORY10		VXX: LNMI2=+00009				✓
	LENS MEMORY-DELETE	LENS MEMORY1		VXX: LNMI3=+00000				✓
		LENS MEMORY2		VXX: LNMI3=+00001				✓
		LENS MEMORY3		VXX: LNMI3=+00002				✓
		LENS MEMORY4		VXX: LNMI3=+00003				✓
		LENS MEMORY5		VXX: LNMI3=+00004				✓
		LENS MEMORY6		VXX: LNMI3=+00005				✓
		LENS MEMORY7		VXX: LNMI3=+00006				✓
		LENS MEMORY8		VXX: LNMI3=+00007				✓
		LENS MEMORY9		VXX: LNMI3=+00008				✓
		LENS MEMORY10		VXX: LNMI3=+00009				✓
	LENS MEMORY1-DEFAULT NAME	LENSMEMORY1		VXX: NCLI5=+00000				✓
	LENS MEMORY2-DEFAULT NAME	LENSMEMORY2		VXX: NCLI6=+00000				✓
	LENS MEMORY3-DEFAULT NAME	LENSMEMORY3		VXX: NCLI7=+00000				✓
	LENS MEMORY4-DEFAULT NAME	LENSMEMORY4		VXX: NCLI9=+00000				✓
	LENS MEMORY5-DEFAULT NAME	LENSMEMORY5		VXX: NCLIA=+00000				✓
	LENS MEMORY6-DEFAULT NAME	LENSMEMORY6		VXX: NCLIB=+00000				✓
	LENS MEMORY7-DEFAULT NAME	LENSMEMORY7		VXX: NCLIC=+00000				✓
	LENS MEMORY8-DEFAULT NAME	LENSMEMORY8		VXX: NCLID=+00000				✓
	LENS MEMORY9-DEFAULT NAME	LENSMEMORY9		VXX: NCLIE=+00000				✓
	LENS MEMORY10-DEFAULT NAME	LENSMEMORY10		VXX: NCLIF=+00000				✓
	INITIALIZE-ALL USER DATA	USER INITILIZE		VXX: RSTS1=0password				✓
		USER RESTORE		VXX: RSTS1=1password				✓
	INITIAL START UP	STANDBY		OPY: 0	QPY	0		✓
		ON		OPY: 1		1		✓
		LAST MEMORY		OPY: 2		2		✓
	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		✓
	FILTER COUNTER-RESET			VXX: FCTI2=+00000				✓
	MODEL NAME	MODEL NAME			QID	MODEL NAME		✓
	SERIAL NUMBER	SW0101234			QSN	SW0101234		✓
	PROJECTOR RUNTIME	7864320H			QVX: RTMS1	RTMS1=7864320		✓
	LAMP1(LIGHT1) RUNTIME	9999H			Q\$L: 1	9999		✓
	LAMP2(LIGHT2) RUNTIME	9999H			Q\$L: 2	9999		✓
	LIGHT1 RUNTIME	7864320H			QVX: LRTS3=00	LRTS3=00: 7864320		✓
	LIGHT2 RUNTIME	7864320H			QVX: LRTS3=01	LRTS3=01: 7864320		✓
	LIGHT STATUS	ALL OFF			QLS	0		✓
		1:ON, 2:OFF				1		✓
		1:OFF, 2:ON				2		✓
		ALL ON				3		✓
	CONTINUOUS LIGHTING TIME	7864320H00M			QVX: CLTS1	CLTS1=7864320: 00		✓
	LAMP(LIGHT) CONTROL STATUS	LAMP OFF			Q\$S	0		✓
		In turning ON				1		✓
		LAMP ON				2		✓
		LAMP Cooling				3		✓
	POWER STATUS	POWER OFF			QVX: POWI1	POWI1=+00001		✓
		In turning ON				POWI1=+00002		✓
		POWER ON				POWI1=+00003		✓
		Cooling				POWI1=+00004		✓
	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		✓
	FIRMWARE VERSION	V1.00			QVX: SVRSE	SVRSE=1.00		✓
	INPUT SIGNAL NAME	CHANNEL1 (MAIN CH)			QVX: NSGS1	NSGS1=*****.....		✓
	TEMPERATURE (INTAKE)	0030/0080			QTM: 0	0030/0080		✓
	TEMPERATURE (EXHAUST AIR)	0030/0080			QTM: 1	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: HM1.DEVICENAME		✓
	HDMI-CEC HDMI2 (Change Device)	NEXT		SHC: HM2NXT				✓
		PREVIEW		SHC: HM2PRE				✓
	HDMI-CEC HDMI2 (Get Device Name)	DEVICE NAME			QHC: HM2	QHC: HM2.DEVICENAME		✓

CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK		
HDMI-CEC	HDMI-CEC - MENU CODE	0x09 (ROOT) 0x0A (SETUP) 0x0B (CONTENTS) 0x0C (FAVORITE) 0x10 (MEDIA TOP) 0x11 (MEDIA POP UP)		SHC:MNC1 SHC:MNC2 SHC:MNC3 SHC:MNC4 SHC:MNC5 SHC:MNC6	QHC:MNC	QHC:MNC1 QHC:MNC2 QHC:MNC3 QHC:MNC4 QHC:MNC5 QHC:MNC6	✓ ✓ ✓ ✓ ✓ ✓	
	HDMI-CEC - PROJECTOR -> DEVICE	DISABLE POWER OFF POWER ON/OFF		SHC:PTSOFF SHC:PTSPWF SHC:PTSPWR	QHC:PTS	QHC:PTSOFF QHC:PTSPWF QHC:PTSPWR	✓ ✓ ✓	
	HDMI-CEC - DEVICE -> PROJECTOR	DISABLE POWER ON POWER ON/OFF		SHC:STPOFF SHC:STPPON SHC:STPPWR	QHC:STP	QHC:STPOFF QHC:STPPON QHC:STPPWR	✓ ✓ ✓	
	INFO MONITOR SETTING - DEFAULT	OFF USER VIEW		VXX:INF11=+0000 VXX:INF11=+00001	QVX:INF11	INF11=+0000 INF11=+00001	✓ ✓	
	INFO MONITOR SETTING - USER VIEW	INPUT SIGNAL AC VOLTAGE INTAKE AIR TEMP. EXHAUST AIR TEMP. SHUTTER OSD IP ADDRESS FREEZE OFF ON		VXX:INFS2=01:***** VXX:INFS2=02:***** VXX:INFS2=03:***** VXX:INFS2=04:***** VXX:INFS2=05:***** VXX:INFS2=06:***** VXX:INFS2=07:***** VXX:INFS2=08:***** VXX:INFS2=09:***** VXX:INFS2=** :00000 VXX:INFS2=** :00001	QVX:INFS2=01 QVX:INFS2=02 QVX:INFS2=03 QVX:INFS2=04 QVX:INFS2=05 QVX:INFS2=06 QVX:INFS2=07 QVX:INFS2=08 QVX:INFS2=09	INFS2=01:***** INFS2=02:***** INFS2=03:***** INFS2=04:***** INFS2=05:***** INFS2=06:***** INFS2=07:***** INFS2=08:***** INFS2=09:*****	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	
	INFO MONITOR SETTING - DIRECTION	AUTO NORMAL FLIPPED		VXX:INF13=+00000 VXX:INF13=+00001 VXX:INF13=+00002	QVX:INF13	INF13=+00000 INF13=+00001 INF13=+00002	✓ ✓ ✓	
	INFO MONITOR SETTING - BRIGHTNESS	30% 100%		VXX:INF14=+00030 VXX:INF14=+00100	QVX:INF14	INF14=+00030 INF14=+00100	✓ ✓	
	TEST PATTERN	TEST PATTERN	Off White Black Window Reversed Window Cross Hatch Color Bar V Color Bar Side 16:9/4:3 Focus Red Focus Green Focus Blue Focus Cyan Focus Magenta Focus Yellow Focus CIRCLE USER TEST PATTERN 1 USER TEST PATTERN 2 USER TEST PATTERN 3		OTS:00 OTS:01 OTS:02 OTS:05 OTS:06 OTS:07 OTS:08 OTS:51 OTS:59 OTS:70 OTS:71 OTS:72 OTS:73 OTS:74 OTS:75 OTS:78 OTS:87 OTS:A1 OTS:A2 OTS:A3	QTS	00 01 02 05 06 07 08 51 59 70 71 72 73 74 75 78 87 A1 A2 A3	✓ ✓
		USER TEST PATTERN - RENAME USER TEST PATTERN	USER TEST PATTERN 1 - NAME USER TEST PATTERN 2 - NAME USER TEST PATTERN 3 - NAME		VXX:TPNS1=01:USERTESTPATTERN1 VXX:TPNS1=02:USERTESTPATTERN2 VXX:TPNS1=03:USERTESTPATTERN3	QVX:TPNS1=01 QVX:TPNS1=02 QVX:TPNS1=03	TPNS1=01:USERTESTPATTERN1 TPNS1=02:USERTESTPATTERN2 TPNS1=03:USERTESTPATTERN3	✓ ✓ ✓
		USER TEST PATTERN - DELETE USER TEST PATTERN	USER TEST PATTERN 1 - DELETE USER TEST PATTERN 2 - DELETE USER TEST PATTERN 3 - DELETE		VXX:TPNS2=01 VXX:TPNS2=02 VXX:TPNS2=03			✓ ✓ ✓
SIGNAL LIST		SIGNAL LIST-REGISTRATION			OEM			✓
		SIGNAL LIST-DELETE	A1 A2 A7 A8 L1 L2 L7 L8		ODM:A1 ODM:A2 ODM:A7 ODM:A8 ODM:L1 ODM:L2 ODM:L7 ODM:L8			✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
		SUB MEMORY LIST-CHANGE/OVER	01 96		OCS:01 OCS:96			✓ ✓
		SUB MEMORY LIST-CHANGE/OVER (EXTENDED)	01 96		OCS:01-01 OCS:95-96			✓ ✓
		SUB MEMORY LIST-REGISTRATION			OES			✓
		SUB MEMORY LIST-DELETE	01 96		ODS:01-01 ODS:95-96			✓ ✓
		SUB MEMORY USAGE STATE	01 96			QSB	01 96	✓ ✓
		SECURITY	SECURITY SETTING	OFF ON			QVX:SPWI1	SPWI1=+00000 SPWI1=+00001
CONTROL DEVICE SETUP-CONTROL PANEL			DISABLE ENABLE USER		VXX:CDSI1=+00000 VXX:CDSI1=+00001 VXX:CDSI1=+00002	QVX:CDSI1	CDSI1=+00000 CDSI1=+00001 CDSI1=+00002	✓ ✓ ✓
CONTROL DEVICE SETUP-REMOTE CONTROL			DISABLE ENABLE USER		VXX:CDSI2=+00000 VXX:CDSI2=+00001 VXX:CDSI2=+00002	QVX:CDSI2	CDSI2=+00000 CDSI2=+00001 CDSI2=+00002	✓ ✓ ✓
NETWORK	ETHERNET TYPE	LAN DIGITAL LINK LAN & DIGITAL LINK		VXX:ETHI1=+00001 VXX:ETHI1=+00002 VXX:ETHI1=+00003	QVX:ETHI1	ETHI1=+00001 ETHI1=+00002 ETHI1=+00003	✓ ✓ ✓	
	WIRED LAN-IP VERSION	IPv4 IPv6 IPv4 & IPv6		VXX:IPVI1=+00001 VXX:IPVI1=+00002 VXX:IPVI1=+00003	QVX:IPVI1	IPVI1=+00001 IPVI1=+00002 IPVI1=+00003	✓ ✓ ✓	
	WIRELESS LAN	OFF(DISABLE) ON(ENABLE)		ONS:0 ONS:14	QVX:WLSI1	WLSI1=+00000 WLSI1=+00014	✓ ✓	
	DIGITAL LINK MODE	AUTO DIGITAL LINK ETHERNET LONG REACH MODE		VXX:DKMI1=+00001 VXX:DKMI1=+00002 VXX:DKMI1=+00003 VXX:DKMI1=+00004	QVX:DKMI1	DKMI1=+00001 DKMI1=+00002 DKMI1=+00003 DKMI1=+00004	✓ ✓ ✓ ✓	
	DIGITAL LINK-EXTRON XTP	OFF ON		VXX:EXTI1=+00000 VXX:EXTI1=+00001	QVX:EXTI1	EXTI1=+00000 EXTI1=+00001	✓ ✓	
	DIGITAL LINK STATUS-LINK	NO LINK DIGITAL LINK LPM ETHERNET			QVX:DKSI1	DKSI1=+00000 DKSI1=+00001 DKSI1=+00002 DKSI1=+00003	✓ ✓ ✓ ✓	
	DIGITAL LINK STATUS-HDCP STATUS	NO SIGNAL OFF ON			QVX:DKSI2	DKSI2=+00000 DKSI2=+00001 DKSI2=+00002	✓ ✓ ✓	
	DIGITAL LINK STATUS-SIGNAL QUALITY (MIN)	-255 0			QVX:DKSI3	DKSI3=-00255 DKSI3=+00000	✓ ✓	
	DIGITAL LINK STATUS-SIGNAL QUALITY (MAX)	-255 0			QVX:DKSI4	DKSI4=-00255 DKSI4=+00000	✓ ✓	
	DIGITAL LINK INPUT CH LIST	HD1:HDMI1,HD2:HDMI2...			QVX:DL1S1	DL1S1=HD1:HDMI1,****:***	✓	
	PROJECTOR NAME SETTING	PROJECTOR1		VXX:NCGS8=PROJECTOR1	QVX:NCGS8	NCGS8=PROJECTOR1	✓	
	NFC SETTING	OFF READ ONLY READ/WRITE		VXX:NFCI1=+00000 VXX:NFCI1=+00001 VXX:NFCI1=+00003	QVX:NFCI1	NFCI1=+00000 NFCI1=+00001 NFCI1=+00003	✓ ✓ ✓	
	Art-Net SETUP	OFF ON(2.*.*) ON(10.*.*) ON(MANUAL)		VXX:DANI1=+00000 VXX:DANI1=+00002 VXX:DANI1=+00003 VXX:DANI1=+00004	QVX:DANI1	DANI1=+00000 DANI1=+00002 DANI1=+00003 DANI1=+00004	✓ ✓ ✓ ✓	
	Art-Net SETUP-START ADDRESS	1 501		VXX:DANI3=+00001 VXX:DANI3=+00501	QVX:DANI3	DANI3=+00001 DANI3=+00501	✓ ✓	



CATEGORY	FUNCTION	Parameter/Name	Sub-Parameter	CONTROL		QUERY		MZ20K SERIES
				COMMANDS/CALL BACK	COMMANDS	CALL BACK	MZ20K MZ17K MZ14K MZ11K	
	Art-Net SETUP-NET	0		VXX: DANI4=+00000	QVX: DANI4	DANI4=+00000		✓
		127		VXX: DANI4=+00127		DANI4=+00127		✓
	Art-Net SETUP-SUB NET	0		VXX: DANI5=+00000	QVX: DANI5	DANI5=+00000		✓
		15		VXX: DANI5=+00015		DANI5=+00015		✓
	Art-Net SETUP-UNIVERS	0		VXX: DANI6=+00000	QVX: DANI6	DANI6=+00000		✓
		15		VXX: DANI6=+00015		DANI6=+00015		✓
	Art-Net SETUP-CHANNEL SETTING	DEFAULT		VXX: DANI8=+00000	QVX: DANI8	DANI8=+00000		✓
		1		VXX: DANI8=+00001		DANI8=+00001		✓
		2		VXX: DANI8=+00002		DANI8=+00002		✓
		USER		VXX: DANI8=+00100		DANI8=+00100		✓
	PRESHOW MODE	OFF			QVX: PSMI1	PSMI1=+00000		✓
		ON				PSMI1=+00001		✓

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