

TRIMASTER EL comparison

Functions	Features	BVM-E250/E170	PVM-2541/1741	PVM-740
Trademark		TRIMASTER EL	TRIMASTER EL	TRIMASTER EL
Picture Performance	Display technology	Sony OLED with Super Top Emission	Sony OLED with Super Top Emission	Sony OLED with Super Top Emission
	Picture size	25/17"	25/17"	7.4"
	Resolution	Full HD (1920x1080)	Full HD (1920x1080)	QHD(960x540)
	Aspect ratio	16:9	16:9	16:9
	Panel drive	10-bit RGB	10-bit RGB	10-bit RGB
	Video processor	12-bit output	10-bit output	10-bit output
	Colour temperature	D55/D61/D65/D93/D-Cine/User 1-5	D65/D93/User	D65/D93/User
	Colour space	ITU-R BT.709/EBU/SMPTE-C/D-Cine/S-Gamut/Native	ITU-R BT.709/EBU/SMPTE-C/Native	ITU-R BT.709/EBU/SMPTE-C/Native
	Gamma	2.2/2.4/2.6 (D-Cine)/CRT/S-Log (Full/Standard)	2.2/2.4/CRT	2.2
	Picture uniformity	Excellent	Good	Good
Video Format	D-Cine mode	Yes	-	-
	2K Cinema	Yes (with image slide)	-	-
	Dual Link HD SDI	Yes (2xBKM-243HS/2xBKM-244CC/1x BKM-250TG)	-	-
	1080/50p	Yes (Dual Link HD or 3G SDI)	Yes (with 3G SDI/HDMI)	Yes (with 3G SDI/HDMI)
Input/Output	SDI	3G/HD/SD (x2) Input, Monitor output (x1)	3G/HD/SD (x2) Input, Monitor output (x1)	3G/HD/SD (x1) Input, Monitor output (x1)
	HDMI	x1 (HDCP)	x1 (HDCP)	x1 (HDCP)
	Display Port	x1 (HDCP)	-	-
	DVI	DVI -> HDMI cable required	DVI -> HDMI cable required	DVI -> HDMI cable required
	Analogue components/RGB	Optional (BKM-229X)	-	-
	Y/C	Optional (BKM-227W)	-	-
	Analogue composite	Optional (BKM-227W)	x1 (with loop mode)	x1 (with loop mode)
	Analogue Audio	-	x1 (with monitor out)	x1 (with monitor out)
	Digital Audio	SDI embedded	SDI embedded	SDI embedded
	Audio speakers	-	Yes (Mono)	Yes (Mono)
	Headphones	-	Yes	Yes
	Parallel remote	Yes (x8 Pin assignable)	Yes (x8 Pin assignable)	Yes (x8 Pin assignable)
	Serial remote Ethernet	Yes	Yes	Yes
	Option port	x4	-	-
	Option board	BKM-227W/229X/220D/243HS/244CC/250TG	-	-
	DC Operation	BVM-E170 (24-28V)	PVM-1741 (12V)	12V
	Battery operation	-	PVM-1741 (12V)	Yes
Functions	Channel settings	Yes (Up to 30 channels)	-	-
	Interlace mode	Yes	-	-
	I/P Mode	Unique	Inter Field/Intra Field/Field Merge/Line Doubler	Inter Field/Field Merger/Line Doubler
	Built-in analysers	TC	WFM/ALM/TC	WFM/ALM
	HD Frame capture	Yes	-	-
	Memory stick save/load	Yes	-	-
	Picture & Picture Mode	Side by Side, Wipe, Blending, Butterfly	-	-
	Pixel Zoom	Yes	-	-
	3D signal analysis	Difference, L/R switch, Checkerboard, Horopter, H flip (BKM-250TG)	-	-
	SD Aspect correction	Yes	-	-
	Closed Caption	Yes (BKM-244CC)	-	-
	Markers	Aspect, Safe area (x2), Centre marker	Aspect, Safe area, Centre marker, Mat	Aspect, Centre marker, Mat
	Marker Preset	x5 Preset	-	-
	Aspct ratio	4:3/16:9/2.39:1/1.896:1	4:3/16:9	4:3/16:9
	Gamut error display	Yes	-	-
	S-Log Gamma	Full, Standard	-	-
	Internal test generator	Yes (7x Test patterns)	-	-
	Copy mode (set-up, adjustment)	Yes	-	-
Conventional features	Assignable function keys	16 keys	7 keys	7 keys
	+12db Chroma Up	Yes	-	-
	Blue Only	Yes	Yes	Yes
	Mono	Yes	Yes	Yes
	H/V delay	Yes	Yes	Yes

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	Component level (SMPTE/EBU-N10/Betacam)	Yes	-	-
	Aperture	Yes	Yes	Yes
	Ext sync	Yes (for Analogue RGB/YUV with BKM-229X)	-	-
	Screen saver	Yes	Yes	Yes
	Tally lamp	Yes (amber)	Yes (red, green, amber)	Yes (red, green, amber)
	Screen saver	Yes	Yes	Yes
	Camera focus (peaking)	-	-	Yes
Maintenance	Auto White Balance	CA-210/CA-310/CS-200/PM-5639/i1Pro	CA-210/CA-310/CS-200/PM-5639/i1Pro	i1Pro
	Copy mode (set-up, adjustment)	Yes	-	-
	MemoryStick save/load	Yes	-	-
Controls	Monitor control	Up to 32 units (With BKM-16R)	Up to 32 units (With BKM-16R)	Up to 32 units (With BKM-16R)
	Control unit	Yes (BKM-16R)	Embedded	Embedded
Mechanical Features	19-inch EIA standard Rack mountable	BVM-E170 only	PVM-1741 only	Yes (MB-531 for dual unit)
	VESA mounting	100mm	100mm	-
	Optional Display stand	BKM-37H (with tilt) (E250) BKM-39H (with no tilt) (E170)	SU-561 (with tilt)	-
	ENG case	-	-	Yes (VF-510)