Broadcast Technologies . . . Redefined!™

plura®

PBM 3G Series

Most Powerful HD Broadcast Monitor Series Ever!

7” 9” 10“ 17” 21” 24” 32” 42” 46” 47“ 55” 65” 70”

Advanced Display Modes:

Waveform + Vector Scope Transparency
SDI-1, Waveform / Vectorscope, 16 CH Audio Level Meter & Time Code

Waveform + Vector Scope + VPID
SDI-1, Waveform / Vectorscope, 16 CH Audio Level Meter, VPID & Time Code

Advanced Waveform + VPID + Marker
SDI-1, Waveform, (Y,Cr,Cb), 16 CH Audio Level Meter, VPID & Marker

Dual 3 Gb/s Input Display Mode
SDI-1, SDI-2, Waveform / Vectorscope, 16 CH Audio Level Meter, VPID & Time Code

PBM-307-3G top of a Camera

BBC EBU VU Nordic Digital DIN Expanded DIN
Various Audio Level Meter Scales

PBM-209-3G top of a Camera

Powerful 3Gb/s-ready 7, 9 & 10 Inch Broadcast Monitors

AVAILABLE OPTIONS ON BACK PAGE:

PBM-3G Series Specifications: 7” through 24” Monitors

	FUNCTION	PBM-307-3G	PBM-209-3G	PBM-310-3G	PBM-317-3G	PBM-317-3G-N	PBM-317-3G-E	PBM-221-3G	PBM-224-3G	PBM-224-3G-10
INPUT	SDI Input	2EA, HD/SD Serial Digital , 3Gb/s, 1.485Gb/s, 270Mb/s, BNC Jack								
	Analog Input	3EA, Composite, Component (YPbPr/RGB), BNC Jack								
	S-VIDEO Input	1EA,YC (S-Video), S-Jack								
	DVI / VGA Input	1EA, DVI-I, 24 pin, Female								
	HDMI	1EA, HDMI, 19 pin Female								
OUTPUT	SDI Output	2EA, BNC, Active Through Output								
	Analog Loop Output	N.A.	N.A.	N.A.	3 EA,75 Ω BNC	3 EA,75 Ω BNC	3 EA,75 Ω BNC	3 EA,75 Ω BNC	3 EA,75 Ω BNC	3 EA,75 Ω BNC
ANALOG INPUT FORMAT	Composite	1.0Vpp (with sync)								
	YC (S-Video)	1.0Vpp (Y with Sync) 0.286Vpp (C)								
	Component	1.0Vpp (Y with Sync) 0.7Vpp (Pb/Pr)								
	RGB	1.0Vpp (G with Sync), 0.7Vpp (R/B)								
	DVI - (Analog PC)	H Frequency Range : 22~82KHz, V Frequency Range : 55~90Hz,								
		Maximum Resolution : UXGA at 60Hz,								
		Maximum Pixel Rate : 162MHz - Separate Sync Support								
DIGITAL INPUT FORMAT	SMPTE 428.1M	2048 x 1080p (24/25)								
	SMPTE-425M(3G)	1920 x 1080p (50/60)								
	SMPTE-260M	1920 x 1035i (60/59.94)								
	SMPTE-292M	1920 x 1080i (50/59.94/60)								
		1920 x1080p (30Psf/25Psf/24Psf/30/25/24)								
	SMPTE 372M	Dual Link HD-SDI YPbPr (4:2:2) : 1080p (50/59.94/60)								
		Dual Link HD-SDI YpbPr/RGB (4:4:4)								
		1080p (30/29.97/25/24/23.98)								
		1080i (29.97/25/24/23.98)								
		720p (60/59.94/50)								
	SMPTE 296M	1280 x 720p (50/59.94/60)								
	SMPTE 259M/C	480i (59.94)								
		576i (50)								
	Component	640 X 480 up to 1920 X 1080p								
	HDMI	H Frequency Range : 22~82KHz, V Frequency Range : 55~90Hz,								
	DVI Digital	Maximum Resolution : UXGA at 60Hz ,								
		Maximum Pixel Rate : 162MHz								
AUDIO INPUT	Input Line	Analog Stereo (RCA Jack)								
	SDI Audio Input	Embedded HD/SD-SDI Audio								
AUDIO OUTPUT	Speaker Output	Internal Speaker (Stereo) 2W+2W								
	Output Line	1EA, L/R Stereo pin jack								
	Ear-phone Output	1EA, L/R Stereo, 3.5mm pin jack								
	Output Signal	Input Line & De-embedded Audio, 1~16CH								
I/O PORT	GPI	RJ-45 8 pin (Programmable General Purpose Input)								
	RS422/485	RJ-45 8 pin for upgrade								
	Upgrade Port	D-sub 9 pin female for software upgrade								
	GPI	D-sub 9 pin female I/P for wall control								
LCD	Size	LCD 7”	LCD 9”	LCD 10”	LCD 17”	LCD 17”	LCD 17”	LCD 21”	LCD 24”	LCD 24” (10bit)
	Aspect Ratio	17 : 10	15 : 9	16 : 10	16 : 9	16 : 9	16 : 9	16 : 9	16 : 10	16 : 10
	Resolution	1024 x 600	800 x 480	1280 x 800	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1200	1920 x 1200
	Display Area H x V	152 x 91 (mm)	196.8 x 118.08 (mm)	223.341 x 125.568	372.9 x 209.7 (mm)	372.9 x 209.7 (mm)	372.9 x 209.7 (mm)	495.6 x 305.2 (mm)	518.4 x 324.0 (mm)	518.4 x 324.0 (mm)
	Display Color	16.7M colors								1.073B colors
	Brightness	Max 400 cd/m2	Max 600 cd/m2	Max 400 cd/m2	Max 450 cd/m2	Max 450 cd/m2	Max 450 cd/m2	Max 350 cd/m2	Max 400 cd/m2	Max 400 cd/m2
	Contrast RATIO	900:1 (Typical)	600:1 (Typical)	800:1 (Typical)	900:1 (Typical)	900:1 (Typical)	900:1 (Typical)	1000:1 (Typical)	1000:1 (Typical)	1000:1 (Typical)
	Response Time	Tr=7.5ms / Tf=7.5ms	Tr=7.5ms / Tf=7.5ms	Tr=7.5ms / Tf=7.5ms	Tr=8ms / Tf=8ms	Tr=8ms / Tf=8ms	Tr=8ms / Tf=8ms	Tr=6ms / Tf=6ms	Tr=7.5ms / Tf=7.5ms	Tr=7.5ms / Tf=7.5ms
	Viewing Angle (deg)	Horizontal: 165 (Typ.), Vertical 165 (Typ.)			Horizontal: 178 (Typ.), Vertical 178 (Typ.)					
POWER REQUIREMENT		DC 12V/5A			AC 100 V ~ 240 V (60/50 Hz)					
POWER CONSUMPTION		0.5A-1.0A(12W)	0.5A-2.0A(24W)	0.5A - 2.0A (24W)	0.65A - 0.34A (65W)	0.65A - 0.34A (65W)	0.65A - 0.34A (65W)	1.0A-0.5A(100W)	1.0A-0.5A(100W)	1.0A-0.5A(100W)
WORKING TEMPERATURE		-30º C ~ 40º C (-22º ~ 104º F)								
WORKING HUMIDITY		10% RH ~ 85% RH (Non Condensed)								
STORAGE TEMPERATURE		-30º C ~ 60º C (-22º ~ 140º F)								
STORAGE HUMIDITY		10% RH ~ 85% RH (Non Condensed)								
WEIGHT (w/o Stand & Packaging)		907 Kg- 2.0 lbs	1.587 Kg - 3.5 lbs	1.814 Kg - 4.0 lbs	6.35 Kg - 14.0 lbs	6.35 Kg - 14.0 lbs	6.35 Kg - 14.0 lbs	8.4 Kg - 18.5 lbs	9.9 Kg - 22.0 lbs	9.9 Kg - 22.0 lbs
DIMENSION (WxHxD) (w/o Stand & Box)		210 x 132 x 54 mm 7.99 x 5.16 x 2.1 Inch	223 x 175 x 54mm 8.78 x 6.89 x 2.1inch	240 x 189 x 55.6 mm 9.44 x 7.44 x 2.2 Inch	442 x 310 x 86 mm 17.4 x 12.2 x 3.4 Inch	410 x 255 x 62 mm 16.1 x 10.00 x 2.4 Inch	442 x 310 x 86 mm 17.4 x 12.2 x 3.4 Inch	509 x 353 x 86 mm 20 x 13.9 x 3.2 Inch	553.8 x 408 x 86 mm 21.8 x 16.1 x 3.4 Inch	553.8 x 408 x 86 mm 21.8 x 16.1 x 3.4 Inch
PACKAGING DIMENSION (WxHxD)		330 x 381 x 254 mm 13 x 15 x 10 Inch	330 x 381 x 254 mm 13 x 15 x 10 Inch	330 x 381 x 254 mm 13 x 15 x 10 Inch	550 x 435 x 220 mm 21.7 x 17.2 x 8.7 Inch	550 x 435 x 220 mm 21.7 x 17.2 x 8.7 Inch	550 x 435 x 220 mm 21.7 x 17.2 x 8.7 Inch	660 x 523 x 220 mm 26 x 20.6 x 8.7 Inch	660 x 523 x 220 mm 26 x 20.6 x 8.7 Inch	660 x 523 x 220 mm 26 x 20.6 x 8.7 Inch
ACCESSORY		Power Cord - Desk Stand								
OPTION		V-Mount, Anton Bauer, Rackmount, Hood Handle, Hard Carry Case and Wall Mounts								

Please note that the technical details shown here are provisional specifications (as of June 2016). The Information is subjectto change without notice.

PBM-3G Series Specifications: 32” through 70” Monitors

	FUNCTION	PBM-332-3G	PBM-242-3G	PBM-346-3G	PBM-347-3G	PBM-255-3G	PBM-265-3G	PBM-270-3G
INPUT	SDI Input	2EA, HD/SD Serial Digital , 3Gb/s, 1.485Gb/s, 270Mb/s, BNC Jack						
	Analog Input	3EA, Composite, Component (YPbPr/RGB), BNC Jack						
	S-VIDEO Input	1EA,YC(S-Video), S-Jack						
	DVI / VGA Input	1EA, DVI-I, 24 pin, Female						
	HDMI	1EA, HDMI, 19 pin Female						
OUTPUT	SDI Output	2EA, BNC, Active Through Output						
	Analog Loop Output	N.A.	N.A.	3 EA,75Ω BNC	3 EA,75Ω BNC	3 EA,75Ω BNC	3 EA,75Ω BNC	3 EA,75Ω BNC
ANALOG INPUT FORMAT	Composite	1.0Vpp(with sync)						
	YC (S-Video)	1.0Vpp (Y with Sync) 0.286Vpp (C)						
	Component	1.0Vpp (Y with Sync) 0.7Vpp (Pb/Pr)						
	RGB	1.0Vpp (G with Sync), 0.7Vpp (R/B)						
	DVI - (Analog PC)	H Frequency Range : 22~82KHz, V Frequency Range : 55~90Hz,						
		Maximum Resolution : UXGA at 60Hz,						
		Maximum Pixel Rate : 162 MHz - Separate Sync Support						
DIGITAL INPUT FORMAT	SMPTE 428.1M	2048 x 1080P (24/25)						
	SMPTE-425M(3G)	1920 x 1080p (50/60)						
	SMPTE-260M	1920 x 1035i (60/59.94)						
	SMPTE-292M	1920 x 1080i (50/59.94/60)						
		1920x1080p (30Psf/25Psf/24Psf/30/25/24)						
	SMPTE 372M	Dual Link HD-SDI YPbPr (4:2:2) : 1080p (50/59.94/60)						
		Dual Link HD-SDI YpbPr/RGB (4:4:4)						
		1080p (30/29.97/25/24/23.98)						
		1080i (29.97/25/24/23.98)						
		720p (60/59.94/50)						
	SMPTE 296M	1280x720p (50/59.94/60)						
	SMPTE 259M/C	480i (59.94)						
		576i (50)						
	Component	640 X 480 up to 1920 X 1080p						
	HDMI	H Frequency Range : 22~82KHz, V Frequency Range : 55~90Hz,						
	DVI Digital	Maximum Resolution : UXGA at 60Hz ,						
		Maximum Pixel Rate : 162MHz						
AUDIO INPUT	Input Line	Analog Stereo (RCA Jack)						
	SDI Audio Input	Embedded HD/SD-SDI Audio						
AUDIO OUTPUT	Speaker Output	Internal Speaker (Stereo) 2W+2W						
	Output Line	1EA, L/R Stereo pin jack						
	Ear-phone Output	1EA, L/R Stereo, 3.5mm pin jack						
	Output Signal	Input Line & De-embedded Audio, 1~ 16CH						
I/O PORT	GPI	RJ-45 8 pin (Programmable General Purpose Input)						
	RS422/485	RJ-45 8 pin for upgrade						
	Upgrade Port	D-sub 9 pin female for software upgrade						
	GPI	D-sub 9 pin female I/P for wall control						
	Ethernet RJ-45	Included						
LCD	Size	LCD 32”	LCD 42”	LCD 46”	LCD 47”	LCD 55”	LCD 65”	LCD 70”
	Aspect Ratio	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Display Area H x V	698.4 x 392.85 (mm)	927.94 x 521.96 (mm)	1018.08 x 572.67 (mm)	1040.48 x 585.27 (mm)	1209.6 x 680.4 (mm)	1428.48 x 803.52 (mm)	1549.44 x 871.56 (mm)
	Display Color	16.7M colors	1.073B colors					
	Brightness	Max 300 cd/m2	Max 500 cd/m2	Max 450 cd/m2	Max 450 cd/m2	Max 600 cd/m2	Max 400 cd/m2	Max 400 cd/m2
	Contrast RATIO	1000:1 (Typical)	3000:1 (Typical)	4000:1 (Typical)	4000:1 (Typical)	4000:1 (Typical)	4000:1 (Typical)	4000:1 (Typical)
	Response Time	Tr=8ms / Tf=6ms	Tr=7.5ms / Tf=7.5ms	Tr=6ms / Tf=6ms	Tr=6ms / Tf=6ms	Tr=6ms / Tf=6ms	Tr=8ms / Tf=8ms	Tr=8ms / Tf=8ms
	Viewing Angle (deg)	Horizontal: 178 (Typ.), Vertical 178 (Typ.)						
POWER REQUIREMENT		AC 100 V ~ 240 V (60/50 Hz)						
POWER CONSUMPTION		1.4A-0.6A(140W)	2.2A-1.1A(230W)	2.2A-1.1A(230W)	2.2A-1.1A(230W)	4.5A-2.0A(420W)	2.0A-1.0A(200W)	2.3A-1.2A(250W)
WORKING TEMPERATURE		-30° C ~ 40° C (-22° ~ 104° F)						
WORKING HUMIDITY		10% RH ~ 85% RH (Non Condensed)						
STORAGE TEMPERATURE		-30° C ~ 60° C (-22° ~ 140° F)						
STORAGE HUMIDITY		10% RH ~ 85% RH (Non Condensed)						
WEIGHT (w/o Stand & Packaging)		16.6 Kg- 30 lbs	20.4 Kg- 45.0 lbs	22.6 Kg- 50 lbs	22.6 Kg- 50 lbs	50.34 Kg- 111 lbs	53 Kg- 116 lbs	62 Kg- 136 lbs
DIMENSION (WxHxD) (w/o Stand & Box)		733 x 452 x 72.6 mm	965 x 580 x 91.6 mm	1076 x 641 x 100 mm	1080 x 645 x 100 mm	1320 x 832 x 102 mm	1540 x 910 x 76.7 mm	1643 x 965 x 101.2 mm
		28.85 x 17.8 x 2.8 Inch	40.00 x 22.83 x3.6Inch	42.4 x 25.2 x 3.9 Inch	42.5 x 25.4 x 3.94 Inch	51.97 x 32.75 x 4 Inch	60.62 x 35.82 x 3.0 Inch	64.68 x 37.99 x 3.98 Inch
PACKAGING DIMENSION (WxHxD)		932 x 630 x 272 mm	1250 x 805 x 295 mm	1250 x 805 x 295 mm	1250 x 805 x 295 mm	1475 x 975 x 305 mm	1810 x 1160 x 290 mm	1900 x 1200 x 320 mm
		36.69 x 24.8 x 10.71 Inch	49.2 x 31.7 x 11.6 Inch	49.2 x 31.7 x 11.6 Inch	49.2 x 31.7 x 11.6 Inch	58.0 x 38.25 x 12.0 Inch	71.26 x 45.66 x 11.4 Inch	74.8 x 47.24 x 12.59 Inch
ACCESSORY		Power Cord - Desk Stand						
OPTION		Hard Carry Case and Wall Mounts						

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plura® PBM-3G Series

Most Powerful HD Broadcast Monitor Series Ever!

7″ 9″ 10″ 17″ 21″ 24″ 32″ 42″ 46″ 47″ 55″ 65″ 70″

PBM-307-3G, PBM-209-3G and PBM-310-3G OPTIONS

Hard Carry Case

with Anton Bauer Mount

with V- Mount

Custom Hood Handle

RACKMOUNT OPTIONS

PBM-307-3G, PBM-209-3G
PBM-310-3G, PBM-317-3G
PBM-221-3G, PBM-224-3G

CONNECTIVITY

PBM-3G Series Product Highlights:

The New PBM-3G Plura Precision Broadcast LCD Series which is built with Grade A LCD Panel that supports 3Gb/s-1080/60p input, Powerful Dual 3Gb/s input display with Advanced Waveform / Vector scope, VPID, IMD and many more . . .

- 3Gb/s-1080/60p
- 2 x Auto-detect HD-SDI, SDI with active loops (3Gb/s, / 1.485Gb/s / 270Mb/s)
- Dual HD SDI YPbPr 4:2:2 – Dual HD SDI YPbPr/RGB 4:4:4 & 2K
- RGB, YUV, Y/C, Composite, UXGA, DVI & HDMI (DHCP)
- Complies with EBU-3320 TECH, SMPTE-C and ITU-R BT.709 Standards
- (ICAC) - Plura Intelligent Connection for Alignment & Calibration
- Closed Caption (608/708) – North American Market
- Teletext 801 & Subtitle OP-47 – Australia & NZ Market
- Cutting edge De-interlacing and Scaling Technology
- Fast Response Time for high motion video
- RGB 10 Bit Digital Signal Processing
- 178° Viewing Angle Display
- Internal Monitor Display (IMD)
- Underscan / Overscan / Normal / Zoom
- Pixel to Pixel Mode, Tally, DC Operation
- False Color and Peaking Filter / Focus Assist
- Video Range test with adjustable Y & C values
- Display LTC & DVITC time code with line select
- Internal Pattern Generator and Wall Control System
- Built In Stereo Speaker, 16 CH Audio Metering Display
- Analog & Embedded Audio Input, Digital Audio Decoding
- Color Temperature – User, VAR, Adjustable (11000K TO 3200K)
- Various and User defined Markers Display, Safe Area in HD & SD
- Picture and Picture (PaP), Picture in Picture (PiP) display / Blend
- Intuitive OSD Display, Graphic based, 6 Languages (UNICODE System)
- Display Advanced Waveform & Vector Scope simultaneously with line select
- Programmable 3 User Front Pushbutton Controls, GPI & RS232 Remote Control
- OPTIONS: Battery Mount, Carry Case, Rack mount, Sunvisor, Walmount

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