

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



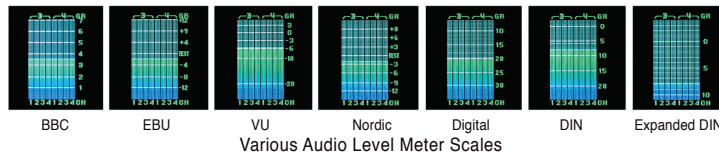
Advanced Waveform + VPID + Marker
SDI-1, Waveform, (Y,Cr,Cb), 16 CH Audio Level Meter, VPID & Marker



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



Various Audio Level Meter Scales



PBM-209-3G top of a Camera

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



PBM-209-3G

PBM-307-3G

PBM-310-3G

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 ΩBNC	3 EA,75 ΩBNC	3 EA,75 ΩBNC	3 EA,75 ΩBNC	3 EA,75 ΩBNC	3 EA,75 ΩBNC	
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)									
	SMPTE 372M	1920 x1080p (30Pst/25Pst/24Pst/30/25/24)									
		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)									
	SMPTE 296M	1080i (29.97/25/24/23.98)									
		720p (60/59.94/50)									
	SMPTE 259M/C	1280 x 720p (50/59.94/60)									
	Component	480i (59.94)									
		576i (50)									
640 X 480 up to 1920 X 1080p											
H Frequency Range : 22~82KHz, V Frequency Range : 55~90Hz, 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=8ms / Tf=8ms	Tr=6ms / Tf=6ms	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	-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)	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	223 x 175 x 54mm	240 x 189 x 55.6 mm	442 x 310 x 86 mm	410 x 255 x 62 mm	442 x 310 x 86 mm	509 x 353 x 86 mm	553.8 x 408 x 86 mm	553.8 x 408 x 86 mm		
	7.99 x 5.16 x 2.1 Inch	8.78 x 6.89 x 2.1inch	9.44 x 7.44 x 2.2 Inch	17.4 x 12.2 x 3.4 Inch	16.1 x 10.00 x 2.4 Inch	17.4 x 12.2 x 3.4 Inch	20 x 13.9 x 3.2 Inch	21.8 x 16.1 x 3.4 Inch	21.8 x 16.1 x 3.4 Inch		
PACKAGING DIMENSION (WxHxD)	330 x 381 x 254 mm	330 x 381 x 254 mm	330 x 381 x 254 mm	550 x 435 x 220 mm	550 x 435 x 220 mm	550 x 435 x 220 mm	660 x 523 x 220 mm	660 x 523 x 220 mm	660 x 523 x 220 mm		
	13 x 15 x 10 Inch	13 x 15 x 10 Inch	13 x 15 x 10 Inch	21.7 x 17.2 x 8.7 Inch	21.7 x 17.2 x 8.7 Inch	21.7 x 17.2 x 8.7 Inch	26 x 20.6 x 8.7 Inch	26 x 20.6 x 8.7 Inch	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 subjecto 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,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 : 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)							
		1280x720p (50/59.94/60)							
	SMPTE 296M	480i (59.94)							
	SMPTE 259M/C	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							
	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 x 3.6 Inch	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								

Please note that the technical details shown here are provisional specifications (as of July 2015). The Information is subject to change without notice.

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

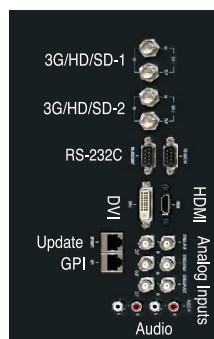
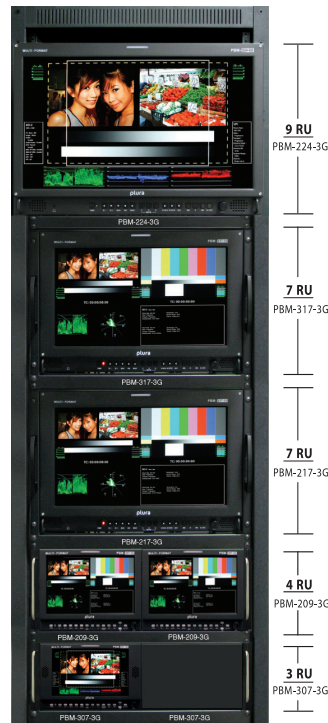


with V- Mount



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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