

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



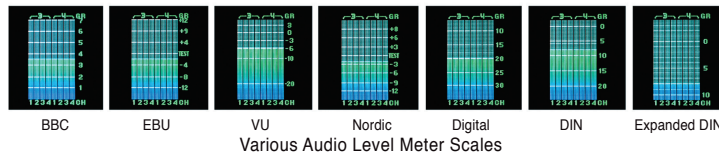
Advanced Waveform + VPID + Marker  
SDI-1, Waveform, (Y,Cr,Cb), 16 CH Audio Level Meter, VPID & Marker



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		
<b>INPUT</b>	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									
<b>OUTPUT</b>	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	
<b>ANALOG INPUT FORMAT</b>	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									
<b>DIGITAL INPUT FORMAT</b>	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											
<b>AUDIO INPUT</b>	Input Line	Analog Stereo (RCA Jack)									
	SDI Audio Input	Embedded HD/SD-SDI Audio									
<b>AUDIO OUTPUT</b>	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									
<b>I/O PORT</b>	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									
<b>LCD</b>	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	Tr=7.5ms / Tf=7.5ms
	Viewing Angle (deg)	Horizontal: 165 (Typ.), Vertical 165 (Typ.)				Horizontal: 178 (Typ.), Vertical 178 (Typ.)					
	<b>POWER REQUIREMENT</b>	DC 12V/5A				AC 100 V ~ 240 V (60/50 Hz)					
<b>POWER CONSUMPTION</b>	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)		
<b>WORKING TEMPERATURE</b>	-30° C ~ 40° C (-22° ~ 104° F)										
<b>WORKING HUMIDITY</b>	10% RH ~ 85% RH (Non Condensed)										
<b>STORAGE TEMPERATURE</b>	-30° C ~ 60° C (-22° ~ 140° F)										
<b>STORAGE HUMIDITY</b>	10% RH ~ 85% RH (Non Condensed)										
<b>WEIGHT (w/o Stand &amp; Packaging)</b>	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		
<b>DIMENSION (WxHxD) (w/o Stand &amp; Box)</b>	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	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	21.8 x 16.1 x 3.4 Inch	
<b>PACKAGING DIMENSION (WxHxD)</b>	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	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	26 x 20.6 x 8.7 Inch	
<b>ACCESSORY</b>	Power Cord - Desk Stand										
<b>OPTION</b>	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.





# 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

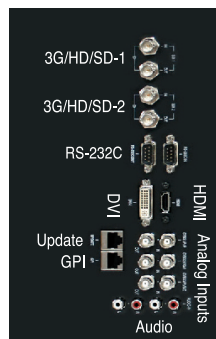
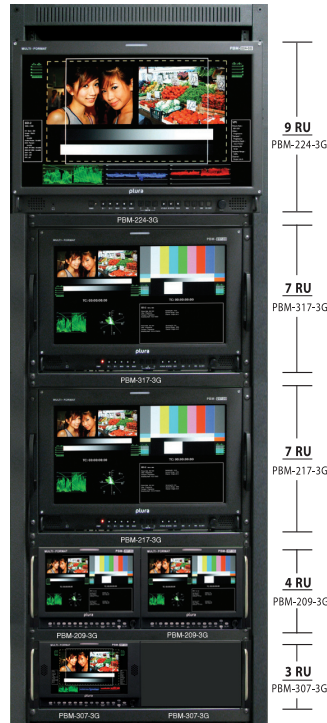


with V- Mount



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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[www.plurabroadcast.com](http://www.plurabroadcast.com)

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