

Re-Imagine Beyond Technology™

plura®

# PBM 3G Series

Most Powerful HD Broadcast Monitor Series Ever!

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



PBM-209-3G

PBM-224-3G

PBM-232-3G

PBM-317-3G

PBM-307-3G

PBM-307-DRK-3G (Quadruple 4" Input Displays)

PBM-310-3G

PBM-209-DRK-3G (Quadruple 5" Input Displays)

## 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



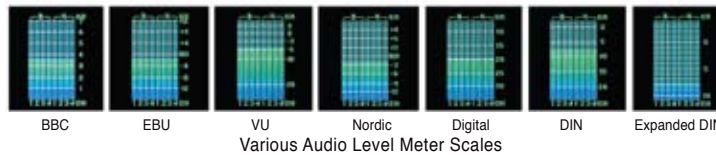
Advanced Waveform + VPID + Marker  
SDI-1, Waveform, (Y,Cr,Cb), 16 CH Audio Level Meter, VPID & Marker



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



PBM-307-3G

PBM-209-3G

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-10	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)									
	SMPTE 296M	1080p (30/29.97/25/24/23.98)									
		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											
HDMI	H Frequency Range : 22~82KHz, V Frequency Range : 55~90Hz,										
DVI Digital	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	1EA, Remote, RJ-45 Jack, GPI-7 Port									
	RS422/485	2EA, RJ-11P Jack, RS-422, Serial interface									
	Ethernet	RJ-45 8 pin Ethernet port, 100Mbps, LAN to Serial supported for wall control applications									
	Upgrade Port	D-sub 9 pin female for software upgrade									
	RS232	D-sub 9 pin female									
<b>LCD</b>	Size	LCD 7”	LCD 9”	LCD 10”	LCD 17”	LCD 17” (10bit)	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	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 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	442 x 310 x 86 mm 17.4 x 12.2 x 3.4 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		
<b>PACKAGING DIMENSION (WxHxD)</b>	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		
<b>ACCESSORY</b>	Power Cord - Desk Stand										
<b>OPTION</b>	V-Mount, Anton Bauer, Rackmount, Hood Handle, Hard Carry Case and Wall Mounts										

## PBM-3G Series Specifications: 32" through 70" Monitors

	FUNCTION	PBM-332-3G	PBM-346-3G	PBM-347-3G	PBM-255-3G	PBM-265-3G	PBM-270-3G	
<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	3 EA, 75 Ω BNC						
<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 : 162 MHz - 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)						
		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, Maximum Resolution : UXGA at 60Hz , Maximum Pixel Rate : 162MHz						
	DVI Digital							
	<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						
	Ethernet RJ-45	Included						
<b>LCD</b>	Size	LCD 32"	LCD 46"	LCD 47"	LCD 55"	LCD 65"	LCD 70"	
	Aspect Ratio	16 : 9						
	Resolution	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)	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	1.073B colors						
	Brightness	Max 300 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)	4000:1 (Typical)	4000:1 (Typical)	4000:1 (Typical)	4000:1 (Typical)	4000:1 (Typical)	
	Response Time	Tr=8ms / Tf=6ms	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.)						
<b>POWER REQUIREMENT</b>	AC 100 V ~ 240 V (60/50 Hz)							
<b>POWER CONSUMPTION</b>	1.4A-0.6A(140W)	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)		
<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>	13.6 Kg- 30 lbs	22.6 Kg- 50 lbs	22.6 Kg- 50 lbs	50.34 Kg- 111 lbs	53 Kg- 116 lbs	62 Kg- 136 lbs		
<b>DIMENSION (WxHxD) (w/o Stand &amp; Box)</b>	733 x 462 x 72.6 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 2.85 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		
<b>PACKAGING DIMENSION (WxHxD)</b>	932 x 630 x 272 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	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		
<b>ACCESSORY</b>	Power Cord - Desk Stand							
<b>OPTION</b>	Hard Carry Case and Wall Mounts							

Please note that the technical details shown here are provisional specifications (as of Aug. 2019). 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" 46" 47" 55" 65" 70"

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



Hard Carry Case



with Anton Bauer Mount

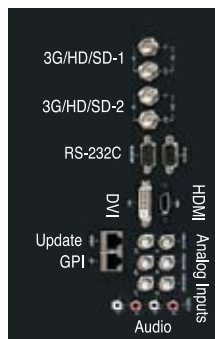


with V-Mount



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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