

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



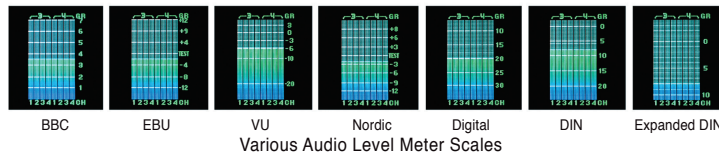
Advanced Waveform + VPID + Marker
SDI-1, Waveform, (Y,Cr,Cb), 16 CH Audio Level Meter, VPID & Marker



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.



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



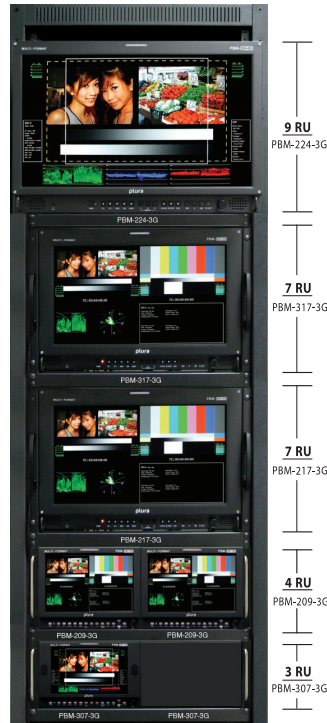
with V- Mount



Custom Hood Handle

RACKMOUNT OPTIONS

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



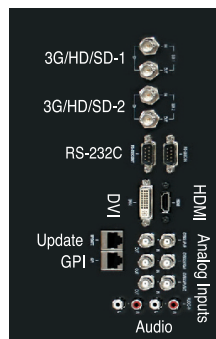
9 RU
PBM-224-3G

7 RU
PBM-317-3G

7 RU
PBM-217-3G

4 RU
PBM-209-3G

3 RU
PBM-307-3G



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

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

www.plurabroadcast.com

Phoenix • New York • Germany • Dubai • Seoul • Mexico City