

**plura**®

**PHB -3G Series**

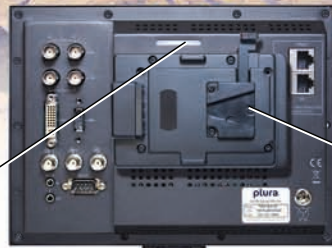
High Brightness 7" & 9" Outdoor Monitor Solutions

PHB-207-3G



**Features:**

- Audio Level Meters
- Front & Back Tally LED
- Internal Stereo Speakers



CONNECTIVITY

PHB-207-3G (back)

**3Gb/s**

V-Mount Battery Adapter

Anton Bauer Mount also an option



**PHB-209-3G**

**PHB-207-3G**

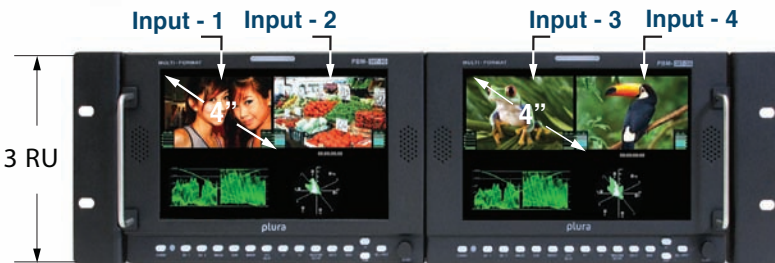
**PHB-207DRK-3G**

**3Gb/s**

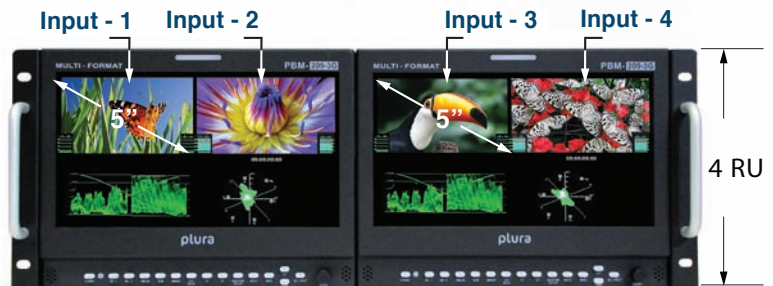
Quadruple - 4" Inputs Display - 3Gb/s-ready

**PHB-209DRK-3G**

Quadruple - 5" Inputs Display - 3Gb/s-ready



DISPLAY INPUT MODES: [4x4"] [2x4" + 1x7"] [2x7"]  
4 x 3G Inputs & 4 x 3G loop through outputs



DISPLAY INPUT MODES: [4x5"] [2x5" + 1x9"] [2x9"]  
4 x 3G Inputs & 4 x 3G loop through outputs

- ▶ 4 images with 2 waveform/vector display & 16CH audio metering for each input.
- ▶ 4 x 3G Inputs & 4 x 3G loop through outputs
- ▶ Closed caption capable (708/608) & OP47

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## PHB-3G Series Options



Hard Carry Case



with V-Mount

with Anton Bauer Mount

### Rack Mount Options



(Dual Rack Mount or Single with Blank Plate)



Custom Hood Handle

## 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

### Key Features for: PHB-207-3G & PHB-209-3G

- ▶ Portable - 3G Ready!
- ▶ Dual Display Input Mode
- ▶ High Brightness over 1000 nit
- ▶ 178 degree viewing angle display
- ▶ Pixel to Pixel mode, Tally & DC operation
- ▶ Closed caption capable (708/608) & OP47
- ▶ 16 CH Audio Decoding, De-embedding & Level Metering and stereo speakers
- ▶ Display Advanced Waveform & Vector simultaneously with Line select

### Key Features for: PHB-207DRK-3G & PHB-209DRK-3G

- ▶ 4 images with 2 waveform/vector display and 16CH audio metering for each input.
- ▶ 4 x 3G Inputs & 4 x 3G loop through outputs
- ▶ Other Inputs include: 6 x CCVS, 2 x S-Video, 2 x Component, 2 x HDMI, 2 x DVI
- ▶ Closed Caption (608-708)
- ▶ 16CH Audio Metering display per input
- ▶ Audio De-embedding
- ▶ 4 x speakers
- ▶ Waveform & Vector display & Line Select
- ▶ VPID Display (Video Payload Identification)
- ▶ 2 separate power inputs i.e. redundancy if one unit is down, you still have two other videos running.
- ▶ 2 separate power switches.
- ▶ You can display 2 or 4 images

### Applications:

- ▶ Multiple Video Server Inputs monitoring
- ▶ Program & Preview monitoring
- ▶ Camera output & return feed side by side monitoring
- ▶ Multiple camera preview wall monitoring

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

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## PHB-3G Specifications:

## PHB-DRK-3G Specifications:

| FUNCTION                               |  | PHB-207-3G  | PHB-209-3G                        | PHB-207DRK-3G  | PHB-209DRK-3G                               |
|--|--|---|-----------------------------------|--|---|
| INPUT                                  | SDI Input  | 2EA, HD/SD Serial Digital , 3Gb/s, 1.485Gb/s, 270Mb/s, BNC Jack   |                                   | 4 EA, HD/SD Serial Digital , 3Gb/s, 1.485Gb/s, 270Mb/s, BNC Jack |   |
|  | Analog Input   | 3EA, Composite, Component(YPbPr/RGB), BNC Jack  |                                   | 6 EA, Composite, Component (YPbPr/RGB), BNC Jack                 |   |
|  | S-VIDEO Input  | 1EA,YC(S-Video), S-Jack   |                                   | 2 EA,YC (S-Video), S-Jack  |   |
|  | DVI / VGA Input  | 1EA, DVI-I, 24pin, Female   |                                   | 2 EA, DVI-I, 24 pin, Female                                      |   |
|  | HDMI   | 1EA, HDMI, 19pin Female   |                                   | 2 EA, HDMI, 19 pin Female  |   |
| OUTPUT                                 | SDI Output   | 2EA, BNC, Active Through Output   |                                   | 4 EA, BNC, Active Through Output                                 |   |
|  | Analog Loop Output   | N.A.  |                                   |  |   |
| 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,<br>Maximum Resolution : UXGA at 60Hz,<br>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 (30Psf/25Psf/24Psf/30/25/24)  |                                   |  |   |
|  |  | Dual Link HD-SDI YpPr (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 ,<br>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"                            | 2 x LCD 7"   | 2 x LCD 9"                                  |
|  | Aspect Ratio   | 16:10   | 15:9                              | 16:10  | 15:9  |
|  | Resolution   | 1280 x 800  | 1280 x 768                        | 1280 x 800   | 1280 x 768                                  |
|  | Display Area H x V   | 151.95 x 95.40 mm   | 195.8 x 117.5 mm                  | 2 x (151.95 x 95.40) mm  | 2 x (195.8 x 117.5) mm                      |
|  | Display Color  | 16.7 M colors   | 16.7 M colors                     | 16.7M colors   | 16.7M colors                                |
|  | Brightness   | 1000-1300 cd/m2   | 1000 cd/m2                        | 1000-1300 cd/m2  | 1000 cd/m2                                  |
|  | Contrast RATIO   | 800 : 1 (Typical)   | 1000 : 1 (Typical)                | 800 : 1 (Typical)  | 1000 : 1 (Typical)                          |
|  | Response Time  | Tr= 6 ms / Tf = Tr= 6 ms  | Tr= 6 ms / Tf = Tr= 6 ms          | Tr= 6 ms / Tf = Tr= 6 ms   | Tr= 6 ms / Tf = Tr= 6 ms                    |
|  | Viewing Angle (deg)  | Horiz: 178 (Typ), Vert. 178 (Typ)   | Horiz: 178 (Typ), Vert. 178 (Typ) | Horizontal: 178 (Typ.), Vertical 178 (Typ.)                      | Horizontal: 178 (Typ.), Vertical 178 (Typ.) |
| POWER REQUIREMENT                      | DC 12V/ 3.33A  |   | DC 12V/ 3.33A                     |  |   |
| POWER CONSUMPTION                      | 0.5A - 2.0A (24W)  |   | 0.5A - 2.0A (24W)                 |  |   |
| 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   | 3.175 Kg- 7.0 lbs                 | 3.175 Kg - 7.0 lbs   |   |
| DIMENSION (WxHxD)<br>(w/o Stand & Box) | 210 x 132 x 54 mm  | 229 x 175 x 55.6 mm   | 482.6 x 146.05 x 52.07 mm         | 482.6 x 177.8 x 52.07 mm   |   |
|  | 8.26 x 5.19 x 2.125 in   | 9.01 x 6.88 x 2.18 in   | 19 x 5.75 x 2.05 Inch             | 19 x 7.0 x 2.05 Inch   |   |
| PACKAGING DIMENSION (WxHxD)            | 330 x 381 x 254 mm   | 330 x 381 x 254 mm  | 551.18 x 436.88 x 220.98 mm       | 551.18 x 436.88 x 220.98 mm                                      |   |
|  | 13 x 15 x 10 Inch  | 13 x 15 x 10 Inch   | 21.7 x 17.2 x 8.7x Inch           | 21.7 x 17.2 x 8.7x Inch  |   |
| ACCESSORY                              | Power Cord - Desk Stand  | Power Cord - Desk Stand   | 2X Power Adapters & Power Cords   | 2X Power Adapters & Power Cords                                  |   |
|  | Hard Carry Case, V-Mount, Anton Bauer, Rackmount, Hood Handle      |   | V-Mount, Anton Bauer              |  |   |

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