

Re-Imagine Beyond Technology™

# plura

## PHB -3G Series

High Brightness 7" & 9" Outdoor Monitor Solutions

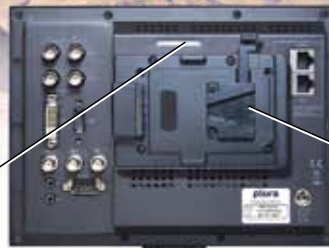
PHB-207-3G

**HIGH  
BRIGHTNESS  
DISPLAYS**



### 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-207-3G**

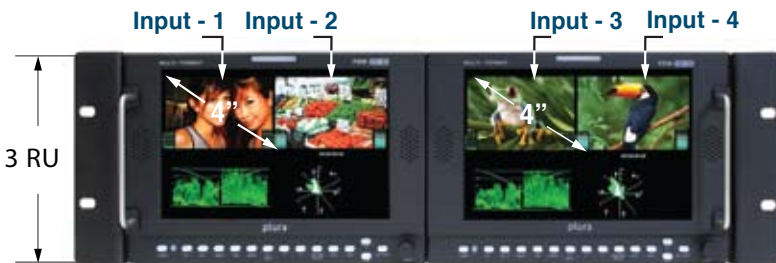
**PHB-209-3G**

AVAILABLE OPTIONS ON NEXT PAGE:

### PHB-207DRK-3G

**3Gb/s**

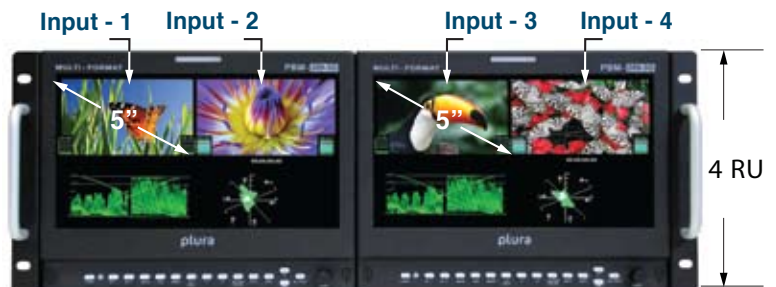
Quadruple - 4" Inputs Display - 3Gb/s-ready



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

### PHB-209DRK-3G

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



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

## 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 Aug, 2019 ). The Information is subject to change without notice.

## 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, 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 (30Psf/25Psf/24Psf/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)			
		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 , 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	2 X DC 12V/ 3.33A	2 X DC 12V/ 3.33A
POWER CONSUMPTION	0.5A - 2.0A (24W)		0.5A - 2.0A (24W)	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) (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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