



OBM Broadcast Monitors

12G-SDI 4K / 3G-SDI Quad Link / HDR / SFP

Picture-by-Picture / Custom 3D LUT Import / Camera Log



4K HDR PBP
4K HDR PBP

Ver 17.11



POSTIUM KOREA Co., Ltd.
www.postium.com

Since its founding in 1999, the Seoul based Postium Korea has been a trusted supplier of professional broadcast, movie and studio equipment to many companies around the globe. For over ten years, we've combined our technology and expertise with the feedback from our customers to develop, engineer and manufacture our own LCD rack monitors which are now widely used by many broadcasting stations and OB vans worldwide.

Our 9", 17", 24", 31", 55" 4K HDR monitors remain one of the world's best thanks to their unique and innovative features. Furthermore, we've recently developed and started the shipping of several of our range of new products such as the versatile dual and quad monitoring solutions which have a range of 7" to 55".

We understand the pressures facing today's professionals and the level of support. Hence with our elite and exclusive lines, we are here to take the load off our customers by delivering matching solutions to the customer's technical, creative and budgetary objectives with the best and latest technology available.

We remain committed to providing total solutions for the next generation of broadcasting displays, sharing the success with our partners and becoming the global leader in field of Broadcast Monitors. For over 10 years, Postium played a significant role in providing broadcasting equipment to companies worldwide and we definitely intend to continue this role of ours and deliver on our commitments for the decades to come.

OBM U Series 4K HDR

4K LCD Professional Monitors with 12G-SDI Single Link, Quad Link 4K

The OBM U series incorporates 12G-SDI input and loopout(x2), 3G/HD-SDI input and loopout(x2), HDMI 2.0 input, and SFP optical connector.

The OBM U series accepts up to 3840x2160/24,25,30,50,60p and 4096x2160/24.25.30,50,60p signals.

These new 4K Monitors provide the function to display the HDR(High Dynamic Range) footage, and supports a wide color gamut conforming to DCI-P3 and most of the ITU-R BT.2020 standard. The OBM U series offers the professional performance, including excellent quality black performance, accurate color reproduction, which make these monitors ideal for 4K live production, versatile monitoring and field production applications. In addition, the OBM U series supports the integrated 3D LUT, Waveform, Vector Scope, Color Space & Gamma Comparison, and a full feature set.

OBM W Series 4K HDR

4K Wall Monitor for Studio and OB Van with 12G-SDI

The OBM W series incorporates 12G-SDI input and loopout(x2), HDMI 2.0 input, SFP optical connector, Component and Composite on the panel of full HD resolution. So, the OBM W series is ideal for building up a 4K monitor wall in the studio or OB van. The OBM W series offers the advanced and convenient features such as HDR(High Dynamic Range), Ethernet Control, Camera Log display, etc.

OBM P Series HDR

True Dual Monitoring Solutions

The OBM P series incorporates the dual scaler, which enables to display the two different SDI signals on the screen. And, the OBM P series can display Waveform and Vector Scope on the two different SDI videos respectively, which is very useful and convenient for dual monitoring.

Postium's OBM P series offers the superior picture quality and wide viewing angle, and includes an array of professional features and the advanced audio & video signal analysis functions. The OBM P series is equipped with various I/O interfaces such as 3G-SDI, HDMI, Component, Composite.

OBM N Series HDR

Outstanding Picture Quality

The OBM N series offers the superior picture quality and wide viewing angle, and includes an array of professional features and the advanced audio & video signal analysis functions including Waveform, Vector Scope, Audio Level Meter, IMD, Camera Log Slection, Custom 3D LUT Import, Focus Assist, etc. The OBM N series are equipped with various I/O interfaces such as 3G-SDI, HDMI, Component, Composite, DVI.

The wide model lineup from 18.5" up to 55" provides the best solutions from the field production to monitoring in studio.

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OBM Monitor Model Guide For Choice

Series		U Series (4K Precision Monitors)	W Series (4K Wall Monitors)	P Series (PBP Monitors)	N Series (3G Monitors)
Key Features		12G-SDI 2ch In HDMI 2.0 In 2SI/SQD, HDR Camera Log Ethernet In Wide Color Space SFP Module 4K W/F and V/S	12G-SDI 2ch In HDMI 2.0 In SFP Module HDR Camera Log W/F and V/S Ethernet In	Picture by Picture Dual W/F and V/S 3G-SDI 2ch In HDMI 1.3a In HDR Camera Log Ethernet In	3G-SDI 2ch In HDMI 1.3a In HDR Camera Log Ethernet In W/F and V/S
Input	12G-SDI	● 12G x 2	● 12G x 2	-	-
	3G-SDI	● 3G x 2	-	● 3G x 2	● 3G x 2
	DVI	-	-	-	●
	HDMI	● 2.0 x 1	● 2.0 x 1	● 1.3a x 1	● 1.3a x 1
	YPbPr	-	●	●	●
	CVBS	-	●	●	●
	SFP	●	●	-	-
Output	SDI	● 12G x 2, 3G x 2	● 12G x 2	● 3G x 2	● 3G x 2
Audio In	Embedded Audio	●	●	●	●
	Analog Stereo (Phone Jack)	● Up to 32"	●	●	●
Audio Out	Analog Stereo (Phone Jack)	●	●	●	●
	Internal Speaker	● Up to 32"	● Up to 32"	● Up to 32"	● Up to 32"
DC In	4 Pin XLR	● Up to 32"	● Up to 32"	● Up to 32"	● Up to 32"
Control	REMOTE	●	●	●	●
	USB	●	●	●	●
	RS-422GPI (RJ45) In/Out	●	●	●	●
	Tally	● Up to 32"	● Up to 32"	● Up to 32"	● Up to 32"
	Ethernet Throughout	●	-	-	-
4K Multi-input Mode	Dual Link 2SI	●	●	-	-
	Quad Link 2SI	●	-	-	-
	Quad Link Square	●	-	-	-



Series		U Series (4K Precision Monitors)	W Series (4K Wall Monitors)	P Series (PBP Monitors)	N Series (3G Monitors)
Items	12G-SDI	●	●	-	-
	3G-SDI Level A/B	●	●	●	●
	HDR (High Dynamic Range)	●	●	●	●
	HDR Auto Setting	●	-	-	-
	HDR Waveform / Vectorscope	●	●	●	●
	SDR Waveform / Vectorscope	●	●	●	●
	Color Space / HDR / Gamma Comparison	●	-	-	-
	HDR / Camera Log Comparison	-	●	-	●
	HDR / Color Settings Comparison	-	-	●	-
	Camera Log	●	●	●	●
	Camera Log Mapped SDI Loopout	●	●	●	●
	Picture By Picture (PBP)	-	-	●	-
	Black Stretch	●	-	-	-
	Fast Mode	● (* U090,U170 Only)	●	●	●
	F/W Update with USB	●	●	●	●
	1:1 Pixel Mapping	●	●	●	●
	Audio Level Meter Display (16ch)	●	●	●	●
	Blue Only / Mono Only	●	●	●	●
	Focus Assist	●	●	●	●
	H/V Delay	●	●	●	●
	Key Lock	●	●	●	●
	Marker	●	●	●	●
	False Color	●	●	●	●
	Time Code Display	●	●	●	●
	IMD	-	●	●	●
	Aspect	●	●	●	●
	Freeze	●	●	●	●
	Closed Caption	●	●	●	●
	Internal Pattern Display	●	●	●	●
	System Data Copy	●	●	●	●
Password Lock	●	●	●	●	
Calibration	3D LUT	●	●	●	●
	Gamma	●	●	●	●
	3rd Party 3D LUT Import	●	●	●	●
	Color Calibration Utility	●	●	●	●
Input Signal Format	SMPT ST 2082	2160p(60/59.94/50)		-	-
	SMPT ST 2081	2160p(30/29.97/25/24/23.98)		-	-
	SMPT ST 425-AB	1080p(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF), 1080i (60/59.94/50)			
	SMPT ST 274	1080p(30/29.97/25/24/23.98/24sF/23.98sF), 1080i (60/59.94/50)			
	SMPT ST 296	720p(60/59.94/50)			
	SMPT ST 260	1920 x 1035i(60/59.94)			
	SMPT ST 2048	2048 x 1080p(24/23.98/24sF/23.98sF)			
	SMPT ST 125	480i(59.94)			
	ITU-R BT.656	576i(50)			
	HDMI	2.0 (~ 2160p(50/60))		1.3a (~ 1080p(50/60))	
SFP	12Gbps, 6Gbps, 2.970Gbps, 1.485Gbps, 270Mbps		-		

Versatile 4K/QFHD Input Capability (OBM-U Series)

The OBM U series is equipped with standard 12G-SDI input interface(x2), 3G/HD-SDI input interface(x2) and support 4K Quad Link 2-Sample Interleave signals and 4K Quad Link Square Division signals.

The OBM U series can accept up to 3840x2160/24,25,30,50,60p and 4096x2160/24.25.30,50,60p signals.



4K Waveform Monitor and Vector Scope Display (OBM-U/W Series)

These features enable users to monitor sources using the internal Waveform and Vector Scope. Waveform Wide mode* is supported, and both Waveform and Vector Scope can be displayed simultaneously.



*OBM-U170 model is only supported.

High Dynamic Range(HDR) Display Function (OBM-U/W/P/N Series)

The OBM series provides the function to display the High Dynamic Range footage.

Postium HDR function allows users to view both highlights and shadow detail of scenes at the same time, thus resulting in more natural and realistic images.

The OBM series supports PQ EOTF (SMPTE ST 2084), Hybrid Log Gamma and S-Log3.



OBM-HDR provides the function of comparing HDR and SDR(Standard Dynamic Range) on the displayed image on the OBM series simultaneously.

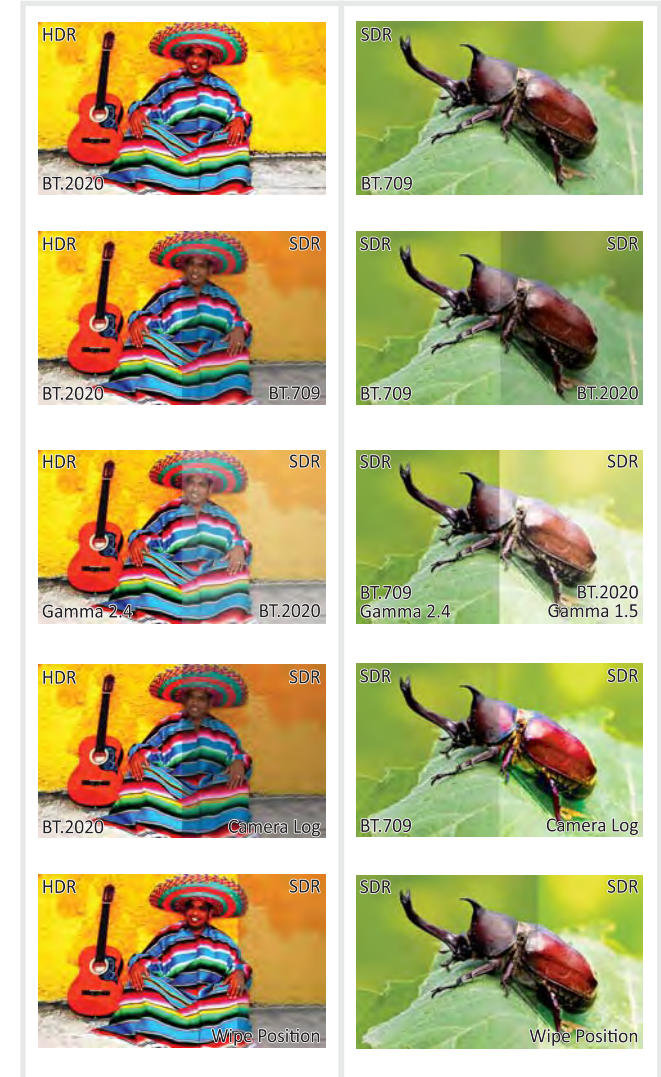


Focus Assist (OBM-U/W/P/N Series)

This function controls the aperture level of a video signal, and displays images on screen with sharpened edges to help camera focus operation.

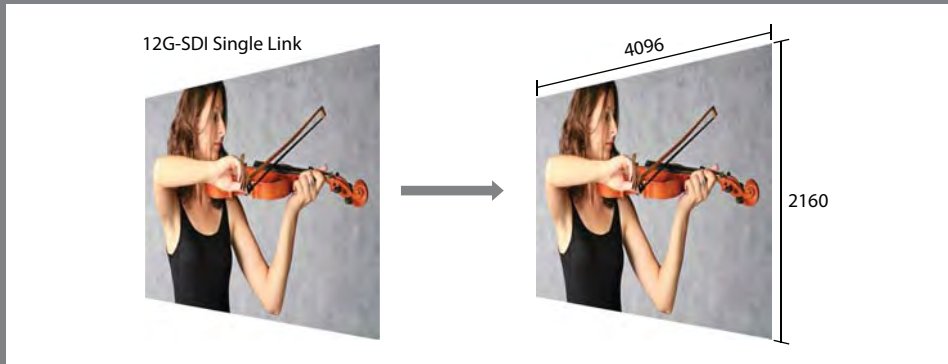
Color Space / HDR / Gamma Comparison (Side by Side, Wipe position) (OBM-U Series)

This unique function allows users to compare the two different color spaces, gammas, HDR / SDR, camera logs and any other color settings side by side simultaneously. The comparison area can be moved and selected by using the vertical wipe pattern.

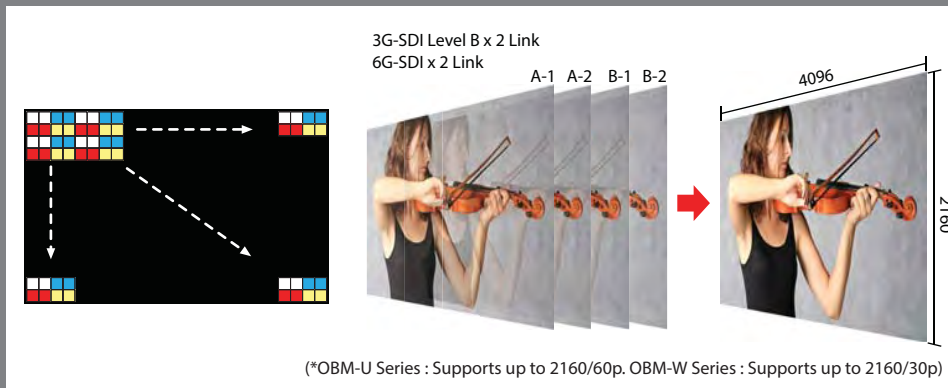


Various 4K/12G Display Modes

Single Link 12G-SDI (OBM-U/W Series)

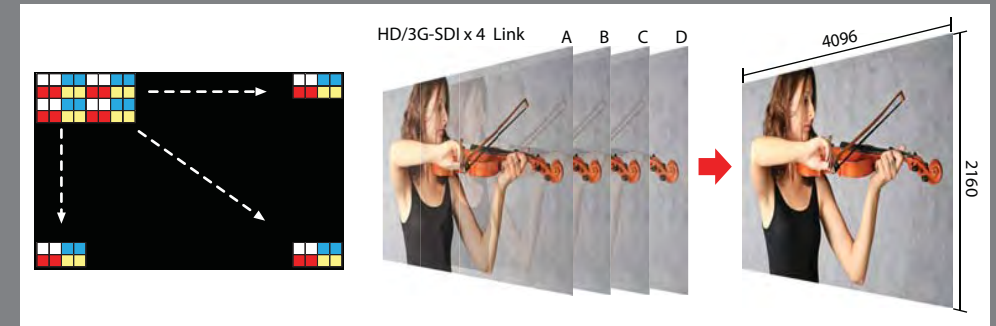


Dual Link 2-Sample Interleave(2-S.I.) (OBM-U/W Series)



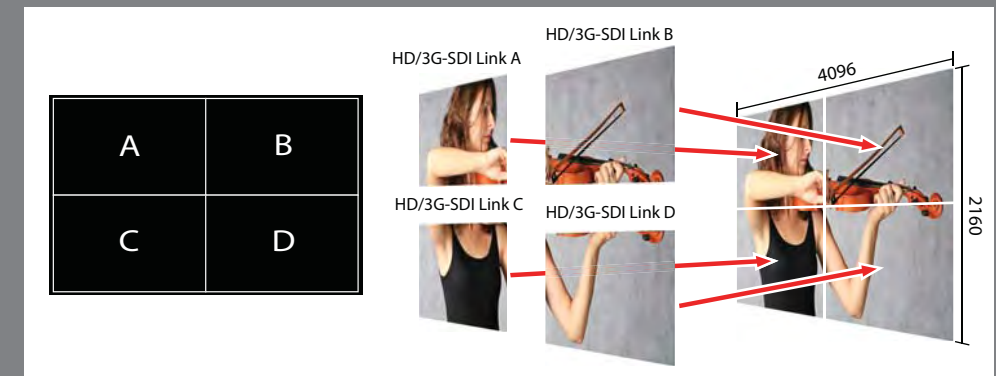
Quad Link 2 Sample Interleave (2-S.I.) (OBM-U Series)

Each link contains a full image at 1/4 resolution. 2-S.I. mode uses four Sub-image and alternates the samples every two pixels and every line instead of slitting the image into four quadrants.



Quad Link Square Division (OBM-U Series)

Each link contains one square of the original image.



Fast Mode (OBM-U*/W/P/N Series)

This function minimizes the internal video processing time from the signal input to the display on the screen. This function is useful when monitoring the fast-moving video content and checking the line flicker.





*OBM-U090/U170 are only supported.

Internal Video Processing Time

Input Signal	Fast Mode Off	Fast Mode On
2160/60p	1 frame x (1/60sec) = 17ms	0.02 frame x (1/60sec) = 0.33ms
2160/50p	1 frame x (1/50sec) = 20ms	0.02 frame x (1/50sec) = 0.40ms
1080/60p	1 frame x (1/60sec) = 17ms	0.02 frame x (1/60sec) = 0.33ms
1080/50p	1 frame x (1/50sec) = 20ms	0.02 frame x (1/50sec) = 0.40ms
1080/60i	2 field x (1/60sec) = 34ms	0.02 field x (1/60sec) = 0.33ms
1080/50i	2 field x (1/50sec) = 40ms	0.02 field x (1/50sec) = 0.40ms
1080/24psf	2 field x (1/48sec) = 42ms	0.02 field x (1/48sec) = 0.42ms

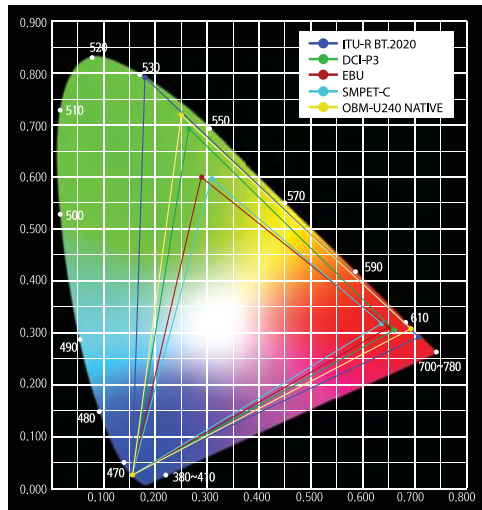
False Color (OBM-U/W/P/N Series)

This function evaluates the Luma(Y') level of the input image. If the certain Y' level is set, the pixels with the designated Luma(Y') level are displayed with the zebra pattern or the color pattern. There are three modes in OBM False Color.

<p>Zebra This mode displays the Luma(Y') level of the input image in zebra pattern.</p> 	<p>False Color Variable This mode allows the user to adjust White clipping, Pink level, Green level, Black Clipping.</p> 	<p>False Color ARRI The color pattern is displayed with ARRI camera standard.</p> 	<p>False Color Comparison This function enables the user to divide the picture side by side, and compare the original image on the left half and</p> 
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Wide Color Space Supporting DCI-P3 and ITU-R BT.2020 (OBM-U Series)

The wide color gamut and the advanced 3D LUT function enable the OBM series to reproduce various color spaces accurately and the excellent grayscale. You can select from color gamuts such as DCI-P3, ITU-R BT.2020, ITU-R BT.709, SMPTE-C, EBU, Native.



Adjustable Gamma (OBM-U/W/P/N Series)

Gamma value is adjustable from 1.0 to 3.0 as user's preference to monitor in the dark area of the picture. Any pictures taken in either light or dark environment can be easily watched or analyzed.



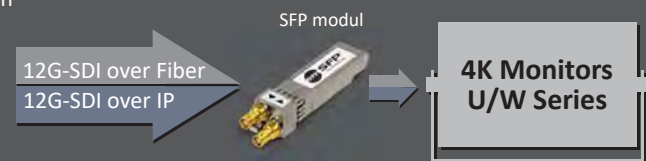
Black Stretch (OBM-U Series)

The Black Stretch increases the visibility of subjects in dark areas, not degrading image quality in bright areas. This mode can be used to increase shadow detail without changing the absolute black level, and without affecting mid-tones.



12G-SDI over IP Supporting ST 2022-6 (OBM-U/W Series)

The OBM-U and OBM-W series have the SFP interface, which allows to use the various SFP modules which can fit any possible broadcast applications. The OBM-U and OBM-W series monitors can display the 12G-SDI over fiber and the 12G-SDI Single Link over IP through the integrated SFP interface.



Camera Log Selection (OBM-U/W/P/N Series)

The OBM series has the integrated camera LUT of the various camera manufacturers. It allows users to load the following camera logs.

Log-C / C-Log / S-Log2, S-Log3 / J-Log1

The more camera LUTs will be updated.

Camera Log Mapped SDI Loopout (OBM-U/W/P/N Series)

This function allows to load the camera log to the original image and then send the camera log mapped image to another monitor through SDI loop out.

[Monitor 1]



[Monitor 2]



Camera Log applied image

Remote Control via Ethernet (OBM-U/W/P/N Series)

The OBM series can be connected via Ethernet connection and controlled remotely on the network.



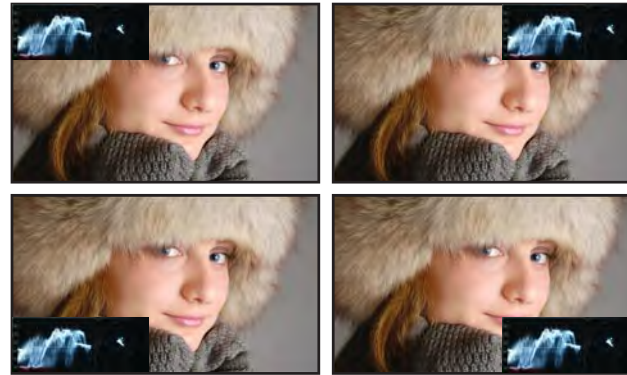
Closed Caption (OBM-U/W/P/N Series)

The OBM series can display closed captions with an SDI input. It supports the CEA-708(HD-SDI closed captioning standard) and CEA-608(SD-SDI closed captioning standard).

Waveform & Vector Scope Position Changeable

(OBM-U/W/P/N Series)

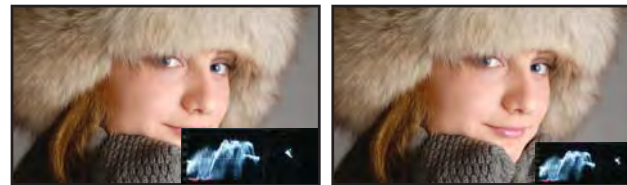
The position of Waveform and Vector Scope can be changed among Left Top, Right Top, Right Bottom, Left Bottom.



Waveform & Vector Scope Size Adjustable

(OBM-W/P/N Series)

The image size of Waveform and Vector Scope can be changed between Small and Large.



Waveform, Vector Scope - Large

Waveform, Vector Scope - Small

System Date Copy (OBM-U/W/P/N Series)

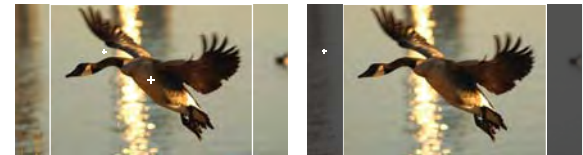
This function allows users to save the monitor configuration and adjustment settings on the USB memory stick and load them to other monitors. This is useful for multiple monitor systems, allowing the transfer of one monitor's setup and adjustment data to another.

Various Markers (OBM-U/W/P/N Series)

The OBM series can display various markers, including aspect marker, area marker, and center marker. In addition, the detailed display settings of each marker are allowed. For example, the color, brightness, horizontal/vertical position, and thickness of aspect markers can all be adjusted.



Display various markers

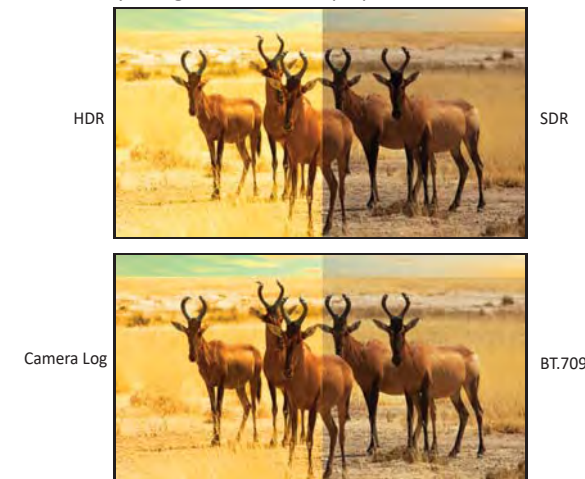


Aspect Mat 0

Aspect Mat 5

HDR / Camera Log Comparison (OBM-W/N Series)

The unique function allows users to compare HDR and Camera Log side by side. The comparison area can be moved and selected by using the vertical Wipe pattern.



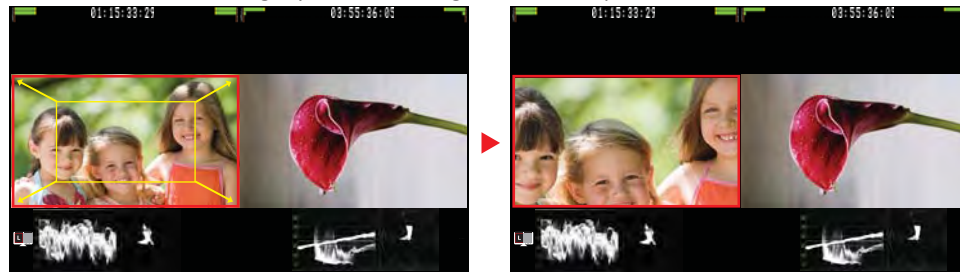
PBP(Picture-by-Picture) Function (OBM-P Series)

The unique Picture-by-Picture function of the OBM P series allows two different SDI input signals to be displayed on the screen simultaneously. This function is very convenient for making instant adjustments to two input sources, because there is no need to individually adjust the different characteristics of two monitors. The OBM P series offers the various Picture-by-Picture modes as follows.



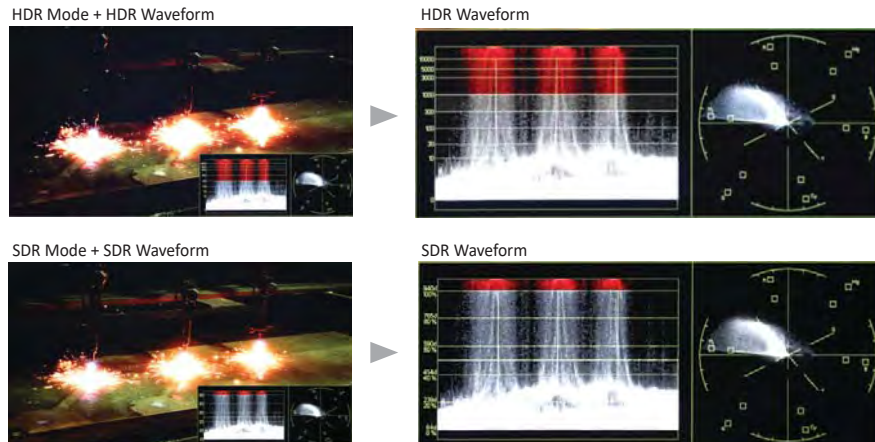
1:1 Scan in PBP Mode (OBM-P Series)

This function allows to magnify the either image of the two inputs in PBP mode.



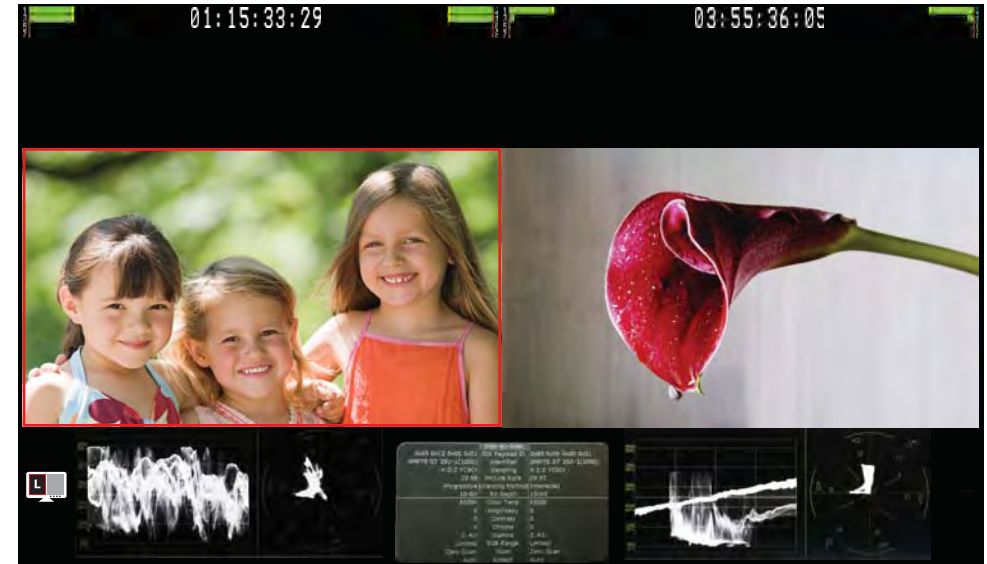
HDR Waveform (OBM-U/W/P/N Series)

When HDR mode is set on, HDR Waveform is displayed on screen.



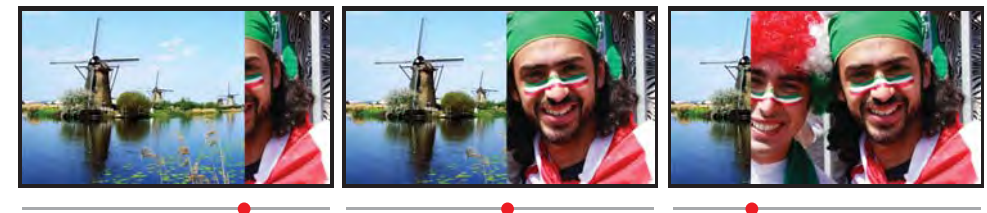
Dual Waveform Monitor & Vector Scope (OBM-P Series)

The OBM P series can display Waveform, Vector Scope on the two different SDI videos respectively, which is very useful and convenient for dual monitoring.



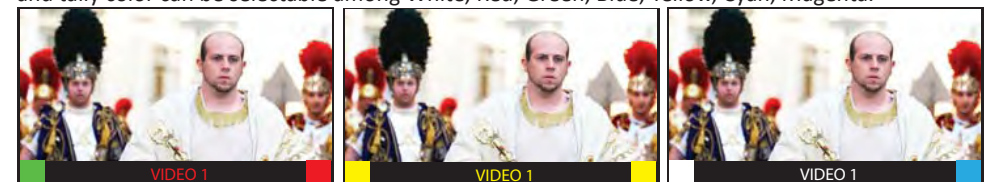
WIPE (OBM-P Series)

The area of the two pictures to be displayed is selected using a vertical WIPE pattern. This function is useful when picture detail of the two images must be examined on a pixel basis.



In-Monitor Display(IMD) Function (OBM-U*/W/P/N Series)

The image source names and tally information can be displayed on the screen, with an external remote function via Ethernet. The TSL system protocol is supported. The color of the source name and tally color can be selectable among White, Red, Green, Blue, Yellow, Cyan, Magenta.



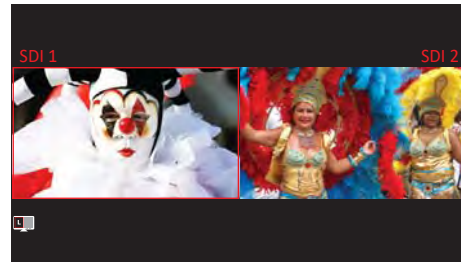
*OBM-U090 is only supported.

Color Settings Adjustable to Either of Two Images in PBP Mode (P Series only)

The OBM PBP function allows to adjust the color settings to either of the two images and compare the two images. HDR / SDR Brightness, Contrast, Color Temperature, Camera Lut, and other color settings can be changed.

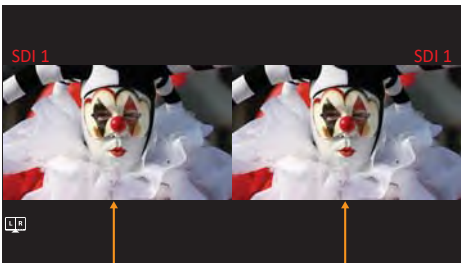


Original Image



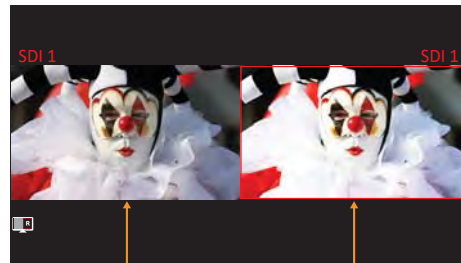
Color settings are adjusted to SDI 1 only.

This unique function allows to display the same image side by side, change the color settings to one image, and then compare the original image and the changed image on the screen.



Original Image

Original Image



Original Image

Color settings changed Image

Password Lock for User Preset (OBM-U/W/P/N Series)

When multiple users share the same monitor, each user can register his/her own password for color temperature and user preset data. This ensures the users correctly recall their preset data, and keep preset information safe from unauthorized use.

Custom 3D LUT File Import (OBM-U/W/P/N Series)

The OBM series allow the user to import 3D Look-up Table for accurate and consistent color matching between individual displays as well as using customized 'looks' that have been created by 3rd party color-grading applications. 32^{A^3} and 64^{A^3} cube file are supported.

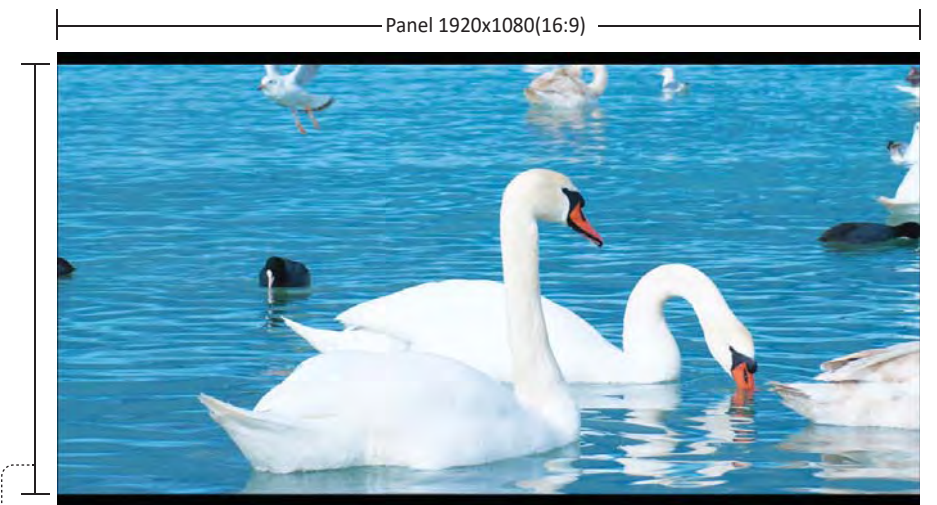


Scan Mode (OBM-W Series)

When the 4096 x 2160(1.89:1) signal is fed to the 1920x1080(16:9) resolution screen, if you select Zero Scan mode, the whole picture is displayed on the screen, with maintaining 1.89:1 ratio.



Input Image 4096x2160(1.89:1)



Output Image 1920x1012(1.89:1)

4K HDR

OBM U Series

4K Professional LCD Monitors

12G-SDI Single Link
 6G-SDI Dual Link 2-S.I. 4K
 3G-SDI Quad Link Square Division & 2-S.I. 4K
 Wide Color Space
 Color Space & Gamma Comparison
 Panel Resolution 3840(or 4096) x 2160
 9", 17", 24", 31", 55"



The OBM U series incorporates 12G-SDI input and loopout(x2), 3G/HD-SDI input and loopout(x2), HDMI 2.0 input, and SFP optical connector. (* OBM-U090 is not supported SFP optical connector)

The OBM U series accepts up to 3840x2160/24,25,30,50,60p and 4096x2160/24.25.30,50,60p signals.

These new U series provides the function to display the HDR(High Dynamic Range) footage, and supports a wide color gamut conforming to DCI-P3 and most of the ITU-R BT.2020 standard.

The OBM U series offers the professional performance, including excellent quality black performance, accurate color reproduction, which make these monitors ideal for 4K live production, versatile monitoring and field production applications.

In addition, the OBM U series supports the integrated 3D LUT, Waveform, Vector Scope, Color Space & Gamma Comparison, and a full feature set.

Product Highlights

- 12G/6G-SDI(4K) 2 Channel, 3G/HD-SDI (Level A/B) 2 Channel
- 6G-SDI Dual Link 2-S.I. 4K
- 3G-SDI Quad Link Square Division 4K
- 3G-SDI Quad Link 2 Sample Interleave (2-S.I.) 4K
- HDR(High Dynamic Range) Display supporting PQ EOTF(ST 2084), Hybrid Log Gamma, S-Log3
- 3D-LUT for Accurate Color Reproduction
- Wide Color Space Supporting ITU-R BT.709, SMPTE-C, EBU, Native, DCI-P3, ITU-R BT.2020
- 1.074/ 1.064 Billion Colors
- Camera Log Conversion
- Custom 3D LUT file Import Through USB
- Gamma Selection (1.0 ~ 3.0)
- Color Temperature (3200K, 5500K, 6500K, 9300K, USER 1/2/3, D-CINEMA)
- Support 4096x2160 Aspect
- Compare Color Space & Gamma (Side by Side, Wipe Position)
- Monitor Control via Ethernet, RS-422
- Waveform, VectorScope (Wave + Vector, Waveform Wide, Position Selection)
- HDR Waveform
- Firmware Update via USB Flash Memory
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, Variable etc.)
- Zero Scan / Over Scan / 1:1 Scan
- Time Code Display (Position / Size Selection)
- De-embedded 8~16ch Audio Level Meter
- SFP Optical Connector (* OBM-U090 is not supported)
- Internal Pattern Display for Color Test (Black ~ 100% White, Color Bar)
- Remote Control via GPI(RJ-45) Port
- H/V Delay
- Blue/Mono Only
- Focus Assist
- False Color / Zebra
- 3 Color TALLY Lamp
- Rack & VESA Mount (Option)
- Closed Caption (608, 708)
- System Data Copy
- Key Lock & Password Lock
- Black Stretch
- Fast Mode (* OBM-U090/U170 Only)
- HDR Auto Setting
- HDMI 2.0 Support
- Aspect
- Freeze
- Camera Log Mapped SDI Loopout
- Easy Firmware Update by USB
- IMD (OBM-U090 only)



* Functions are subject to change without prior notice for the product quality improvement.

OBM U Series

Specifications

ITEM		OBM-U090	OBM-U170	OBM-U240	OBM-U310	OBM-U550L
Input	4 x BNC	12G/6G/3G/HD/SD-SDI-1/2, 3G/HD/SD-SDI-3/4				
	1 x HDMI	HDMI 2.0				
	1 x SFP	Optical				
	3 x BNC(YPbPr)	Analog(YPbPr)	-			
	1 x BNC(CVBS)	Composite	-			
Output	4 x BNC	12G/6G/3G/HD/SD-SDI-1/2, 3G/HD/SD-SDI-3/4 Active Loop Output				
Input Signal Format	SMPTE ST 2082	2160p(60/59.94/50)				
	SMPTE ST 2081	2160p(30/29.97/25/24/23.98)				
	SMPTE ST 425-AB	1080p(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF) / 1080i (60/59.94/50)				
	SMPTE ST 274	1080p(30/29.97/25/24/23.98/24sF/23.98sF)				
		1080i (60/59.94/50)				
	SMPTE ST 296	720p(60/59.94/50)				
	SMPTE ST 260	1920 x 1035i(60/59.94)				
	SMPTE ST 2048	2048 x 1080p(24/23.98/24sF/23.98sF)				
	SMPTE ST 125	480i(59.94)				
	ITU-R BT.656	576i(50)				
	HDMI 2.0	~ 2160p(60)				
SFP	-	12Gbps, 6Gbps, 2.970Gbps, 1.485Gbps, 270Mbps				
Audio In/Out	1 x Phone Jack In	Line In(Stereo)				
	1 x Phone Jack Out	H/P Out(Front, Stereo)				
	2 x Speaker Out	Stereo				-
Display	Size	9" LCD	17.3" LCD	23.8" LCD	31" LCD	55"
	Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	3840 x 2160 (16:9)	4096 x 2160 (17:9)	3840 x 2160 (16:9)
	Pixel Pitch	0.1035mm	0.199mm	0.137mm	0.1704mm	0.315mm
	Color	1.064B Colors(8bit+2bit FRC)	1.073B Colors(True 10bit)	1.073B Colors(8bit+2bit FRC)	1.073B Colors(True 10bit)	1.073B Colors(8bit+2bit FRC)
	Viewing Angle	176(H), 176(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)
	Luminance of White	400cd/m ²	350cd/m ²	350cd/m ²	850cd/m ²	450cd/m ²
	Contrast	700 : 1	1000 : 1	1000 : 1	1450 : 1	4000 : 1
	Display Area (H x V)	198.72 x 111.78 (mm)	381.9 x 214.8 (mm)	527 x 296 (mm)	698 x 368 (mm)	1209.6 x 680.4 (mm)
General	2 x Ethernet	Control/Update, RJ-45P Input / Output				
	1 x GPIO	GPI-7 Port, RJ-45P Jack				
	2 x Serial	RS-422 Jack, RJ-45P Input / Output				
	1 x USB	For Firmware Update, Color Calibration				
	Power Requirements	DC 12V	AC(100-230V, 50/60Hz) / DC 12V	AC(100-230V, 50/60Hz) / DC 24V	AC(100-240V, 50/60Hz) / DC 24V	AC(100-240V, 50/60Hz)
	Power Consumption	36W	40W	100W	180W	220W
	Operating Temperature	0°C ~ 40°C(32°F~104°F)				
	Operating Humidity	20% ~ 80% RH				
	Weight	3kg / 6.61lbs	6.5kg / 14.33lbs	10.5kg / 23.14lbs	22.2kg / 48.94lbs	37kg / 81.57lbs
	Dimensions (WxHxD)	260 x 205 x 90mm (with stand)	447 x 318 x 120mm (with stand)	606 x 403 x 140mm (with stand)	762 x 515 x 210mm (with stand)	1258 x 815 x 270mm (with stand)
		10.23 x 8.07 x 3.54inch	17.59 x 12.51 x 4.72inch	23.85 x 15.86 x 5.51inch	30 x 20.27 x 8.26inch	49.52 x 32.08 x 10.62inch
	Accessories	Power Cable				
	Option	Rack Mount Kit(17"24" only) / Carrying Case / Sun Hood / Acrylic Protector / V-Mount(17" only)			Wall Mount Kit / Carrying Case	

* Specifications are subject to change without prior notice for the product quality improvement.

4K HDR OBM W Series

4K Wall Monitor for Studio and OB Van

12G/6G/3G-SDI x 2 Input

HDMI 2.0 Input

SFP Module

Panel Resolution 1920x1080(or 1200)

1.064 Billion Colors

18.5", 21", 24", 32", 42", 46", 55"



The OBM W series incorporates 12G-SDI input and loopout(x2), HDMI 2.0 input, SFP optical connector, Component and Composite on the panel of full HD resolution. So, the OBM W series is ideal for building up a 4K monitor wall in the studio or OB van. The OBM W series offers the advanced and convenient features such as HDR(High Dynamic Range), Ethernet Control, Camera Log display, etc.

Product Highlights

- 12G/6G-SDI 2 Channel
- Dual Link 3G-SDI 2-Sample Interleave
- HDMI 2.0 Support
- HDR(High Dynamic Range) Display supporting PQ EOTF(ST 2084), Hybrid Log Gamma, S-Log3
- 3D-LUT for Accurate Color Reproduction
- 1.064 Billion Colors
- Camera Log Conversion
- Camera Log Mapped SDI Loopout
- Custom 3D LUT File Import Through USB
- Gamma Selection (1.0 ~ 3.0)
- Color Temperature(3200K, 5500K, 6500K, 9300K, USER 1/2/3, DCI-P3)
- Compare Color Settings (Side by Side, Wipe Position)
- Waveform, VectorScope (Wave + Vector, Waveform Wide, Position Selection)
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, Variable etc.)
- Internal Patterns Display for Color Test (Black ~ 100% White, Color Bar)
- De-embedded 8~16ch Audio Level Meter
- Time Code Display (Position / Size Selection)
- Remote Control via GPI(RJ-45) Port
- HDR & Camera Log Comparison
- Rack & VESA Mount (Option)
- SFP Optical Connector
- Monitor Control via Ethernet, RS-422
- Easy Firmware Update by USB
- Focus Assist
- Zebra
- Support 4096x2160 Aspect
- Zero Scan / 1:1 Scan
- H/V Delay
- 3 Color TALLY Lamp
- Fast Mode
- Aspect
- Freeze
- Blue/Mono Only
- HDR Waveform
- IMD
- Closed Caption(608, 708)
- System Data Copy
- Key Lock & Password Lock



* Functions are subject to change without prior notice for the product quality improvement.

Specifications

OBM W Series

ITEM		OBM-W180	OBM-W210	OBM-W240	OBM-W310	OBM-W420	OBM-W460	OBM-W550	
Input	2 x BNC	12G/6G/3G/HD/SD-SDI-1/2							
	1 x HDMI	HDMI 2.0							
	1 x SFP	Optical							
	3 x BNC (YPbPr)	Analog(YPbPr)							
	1 x BNC (CVBS)	Composite							
Output	2 x BNC	12G/6G/3G/HD/SD-SDI-1/2							
Input Signal Format	SMPTE ST 2082	2160p(60/59.94/50)							
	SMPTE ST 2081	2160p(30/29.97/25/24/23.98)							
	SMPTE ST 425-AB	1080p(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF) / 1080i (60/59.94/50)							
	SMPTE ST 274	1080p(30/29.97/25/24/23.98/24sF/23.98sF)							
		1080i (60/59.94/50)							
	SMPTE ST 296	720p(60/59.94/50)							
	SMPTE ST 260	1920 x 1035i(60/59.94)							
	SMPTE ST 2048	2048 x 1080p(24/23.98/24sF/23.98sF)							
	SMPTE ST 125	480i(59.94)							
	ITU-R BT.656	576i(50)							
HDMI 2.0	~ 2160p(60)								
SFP	12Gbps, 6Gbps, 2.970Gbps, 1.485Gbps, 270Mbps								
Audio In/Out	1 x Phone Jack In	Line In(Stereo)							
	1 x Phone Jack Out	H/P Out(Front, Stereo)							
	2 x Speaker Out	Stereo				-			
Display	Size	18.5" LCD	21" LCD	24" LCD	32" LCD	42" LCD	46" LCD	54.6" LCD	
	Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1200 (16:10)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	
	Pixel Pitch	0.213mm	0.248mm	0.270mm	0.363mm	0.484mm	0.530 mm	0.63mm	
	Color	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	
	Viewing Angle	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	
	Luminance of White	350cd/m ²	250cd/m ²	300cd/m ²	450cd/m ²	700cd/m ²	700cd/m ²	700cd/m ²	
	Contrast	1000 : 1	1000 : 1	1000 : 1	3000 : 1	4000 : 1	4000 : 1	4000 : 1	
	Display Area (H x V)	408.96 x 230.04 (mm)	476.64 x 268.11 (mm)	518.4 x 324.0 (mm)	698.4 x 392.85 (mm)	930.24 x 523.26 (mm)	1018.08 x 572.67 (mm)	1209.6 x 680.4 (mm)	
General	1 x Ethernet	Control/Update, RJ-45P Input							
	1 x GPIO	GPI-7 Port, RJ-45P Jack							
	2 x Serial	RS-422 Jack, RJ-45P Input / Output							
	1 x USB	For Firmware Update, Color Calibration							
	Power Requirements	AC(100-230V,50/60Hz)/DC12V				AC(100-230V,50/60Hz)/DC24V	AC(100-240V, 50/60Hz)	AC(100-240V, 50/60Hz)	AC(100-240V, 50/60Hz)
	Power Consumption	Max 40W	Max 40W	Max 40W	Max 100W	156W	220W	283W	
	Operating Temperature	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	
	Operating Humidity	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	
	Weight	6.7kg/14.77lbs	8.5kg/18.73lbs	10.5kg/23.14lbs	18kg/39.68bs	32kg/70.54lbs	35kg/77.16lbs	37kg/81.57lbs	
	Dimensions(with stand)	470 x 335 x 120mm	538 x 363 x 120mm	600 X 430 X 130 mm	749 x 507 x 176mm	988x640x300mm	1074x687x300mm	1258 x 815 x 270mm	
		18.50 x 13.18 x 4.72inch	21.18 x 14.26 x 4.72inch	23.62 x 16.92 x 5.11inch	29.48 x 19.96 x 6.92inch	38.89 x 21.19 x 11.81inch	42.28 x 27.04 x 11.81inch	49.52 x 32.08 x 10.62inch	
	Accessories	Power Cable							
	Option	Rack Mount Kit / Carrying Case / Sun Hood / Acrylic Protector / V-Mount				Wall Mount Kit / Carrying Case			

* Specifications are subject to change without prior notice for the product quality improvement.

PBP HDR

OBM P Series

True Dual Monitoring Solutions

Picture By Picture
 Dual Waveform and Vector Scope
 3G-SDI x 2 Input
 Custom 3D LUT Import
 1.064 Billion Colors
 Panel Resolution 1920x1080(or 1200)
 18.5", 21", 24", 32", 42", 46", 55"



The OBM P series incorporates the dual scaler, which enables to display the two different SDI signals on the screen. The OBM P series can display Waveform and Vector Scope on the two different SDI videos respectively, which is very useful and convenient for dual monitoring. Postium's OBM P series offers the superior picture quality and wide viewing angle, and includes an array of professional features and the advanced audio & video signal analysis functions. The OBM P series is equipped with various I/O interfaces such as 3G-SDI, HDMI, Component, Composite.

Product Highlights

- 3G/HD/SD-SDI 2 Channel
- PBP(Picture-by-Picture) Function
- 1:1 Scan in PBP Mode
- Color Settings Adjustable to Either of Two Images in PBP Mode
- Dual Waveform Monitor & Vector Scope
- HDR(High Dynamic Range) Display supporting PQ EOTF(ST 2084), Hybrid Log Gamma, S-Log3
- 3D-LUT for Accurate Color Reproduction
- 1.064 Billion Colors
- Camera Log Conversion
- Camera Log Mapped SDI Loopout
- Custom 3D LUT File Import Through USB
- Gamma Selection (1.0 ~ 3.0)
- Color Temperature(3200K, 5500K, 6500K, 9300K, USER 1/2/3, DCI-P3)
- Compare Color Settings (Side by Side, Wipe Position)
- Monitor Control via Ethernet, RS-422
- Zero Scan / Over Scan / 1:1 Scan
- Easy Firmware Update by USB
- De-embedded 8~16ch Audio Level Meter
- Remote Control via GPI(RJ-45) Port
- Internal Patterns Display for Color Test (Black ~ 100% White, Color Bar)
- Time Code Display (Position / Size Selection)
- Fast Mode
- HDR Waveform
- Focus Assist
- 3 Color TALLY Lamp
- Rack & VESA Mount (Option)
- Closed Caption(608, 708)
- System Data Copy
- Key Lock & Password Lock
- Aspect
- Freeze
- Zoom
- H/V Delay
- Blue/Mono Only
- Zebra
- IMD



* Functions are subject to change without prior notice for the product quality improvement.

OBM P Series

Specifications

ITEM		OBM-P180	OBM-P210	OBM-P240	OBM-P310	OBM-P420	OBM-P460	OBM-P550	
Input	2 x BNC	3G/HD/SD-SDI-1/2							
	1 x HDMI	HDMI 1.3a							
	3 x BNC (YPbPr)	Analog(YPbPr)							
	1 x BNC (CVBS)	Composite							
Output	2 x BNC	3G/HD/SD-SDI-1/2							
Input Signal Format	SMPTE ST 425-AB	1080p(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF) / 1080i (60/59.94/50)							
	SMPTE ST 274	1080p(30/29.97/25/24/23.98/24sF/23.98sF)							
		1080i (60/59.94/50)							
	SMPTE ST 296	720p(60/59.94/50)							
	SMPTE ST 260	1920 x 1035i(60/59.94)							
	SMPTE ST 2048	2048 x 1080p(24/23.98/24sF/23.98sF)							
	SMPTE ST 125	480i(59.94)							
	ITU-R BT.656	576i(50)							
HDMI	~ 1080p(60)								
Audio In/Out	1 x Phone Jack In	Line In(Stereo)							
	1 x Phone Jack Out	H/P Out(Front, Stereo)							
	2 x Speaker Out	Stereo					-		
Display	Size	18.5" LCD	21" LCD	24" LCD	32" LCD	42" LCD	46" LCD	54.6" LCD	
	Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1200 (16:10)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	
	Pixel Pitch	0.213mm	0.248mm	0.270mm	0.363mm	0.484mm	0.530 mm	0.63mm	
	Color	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	
	Viewing Angle	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	
	Luminance of White	350cd/m ²	250cd/m ²	300cd/m ²	450cd/m ²	700cd/m ²	700cd/m ²	700cd/m ²	
	Contrast	1000 : 1	1000 : 1	1000 : 1	3000 : 1	4000 : 1	4000 : 1	4000 : 1	
	Display Area (H x V)	408.96 x 230.04 (mm)	476.64 x 268.11 (mm)	518.4 x 324.0 (mm)	698.4 x 392.85 (mm)	930.24 x 523.26 (mm)	1018.08 x 572.67 (mm)	1209.6 x 680.4 (mm)	
General	1 x Ethernet	Control/Update, RJ-45P Input							
	1 x GPIO	GPI-7 Port, RJ-45P Jack							
	2 x Serial	RS-422 Jack, RJ-45P Input / Output							
	1 x USB	For Firmware Update, Color Calibration							
	Power Requirements	AC(100-230V,50/60Hz)/DC12V				AC(100-230V,50/60Hz)/DC24V	AC(100-240V, 50/60Hz)		
	Power Consumption	Max 40W	Max 40W	Max 40W	Max 100W	156W	220W	283W	
	Operating Temperature	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	
	Operating Humidity	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	
	Weight	6.7kg/14.77lbs	8.5kg/18.73lbs	10.5kg/23.14lbs	18kg/39.68bs	32kg/70.54lbs	35kg/77.16lbs	37kg/81.57lbs	
	Dimensions(with stand)	470 x 335 x 120mm	538 x 363 x 120mm	600 X 430 X 130mm	749 x 507 x 176mm	988x640x300mm	1074x687x300mm	1258 x 815 x 270mm	
		18.50 x 13.18 x 4.72inch	21.18 x 14.26 x 4.72inch	23.62 x 16.92 x 5.11inch	29.48 x 19.96 x 6.92inch	38.89 x 21.19 x 11.81inch	42.28 x 27.04 x 11.81inch	49.52 x 32.08 x 10.62inch	
	Accessories	Power Cable							
	Option	Rack Mount Kit / Carrying Case / Sun Hood / Acrylic Protector / V-Mount				Wall Mount Kit / Carrying Case			

* Specifications are subject to change without prior notice for the product quality improvement.

HDR OBM N Series

Outstanding Picture Quality

3G-SDI x 2 Input

1.064 Billion Colors

3D-LUT for Accurate Color Reproduction

Camera Log Conversion

Custom 3D LUT File Import

Panel Resolution 1920x1080(or 1200)

18.5", 21", 24", 32", 42", 46", 55"

3G



The OBM N series offers the superior picture quality and wide viewing angle, and includes an array of professional features and the advanced audio & video signal analysis functions including Waveform, Vector Scope, Audio Level Meter, IMD, Camera Log Slection, Custom 3D LUT Import, Focus Assist, etc. The OBM N series are equipped with various I/O interfaces such as 3G-SDI, HDMI, Component, Composite, DVI.

The wide model lineup from 18.5" up to 55" provides the best solutions from the field production to monitoring in studio.

Product Highlights

- 3G/HD/SD-SDI 2 Channel
- HDR(High Dynamic Range) Display supporting PQ EOTF(ST 2084), Hybrid Log Gamma, S-Log3
- 3D-LUT for Accurate Color Reproduction
- 1.064 Billion Colors
- Camera Log Conversion
- Camera Log Mapped SDI Loopout
- Custom 3D LUT File Import Through USB
- Gamma Selection (1.0 ~ 3.0)
- Color Temperature(3200K, 5500K, 6500K, 9300K, USER 1/2/3, D-CINEMA)
- Compare Color Settings (Side by Side, Wipe Position)
- Waveform, VectorScope
(Wave + Vector, Waveform Wide, Position Change, Size Adjustment)
- Monitor Control via Ethernet, RS-422
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, Variable etc.)
- Internal Patterns Display for Color Test (Black ~ 100% White, Color Bar)
- Time Code Display (Position / Size Selection)
- Easy Firmware Update by USB
- HDR & Camera Log Comparison
- Fast Mode
- Focus Assist
- HDR Waveform
- Zero Scan / 1:1 Scan
- H/V Delay
- Blue/Mono Only
- IMD
- De-embedded 8~16ch Audio Level Meter
- Remote Control via GPI(RJ-45) Port
- Zebra
- 3 Color TALLY Lamp
- Rack & VESA Mount (Option)
- Closed Caption(608, 708)
- System Data Copy
- Key Lock & Password Lock
- Aspect
- Freeze



* Functions are subject to change without prior notice for the product quality improvement.

OBM N Series

Specifications

ITEM		OBM-N180	OBM-N210	OBM-N240	OBM-N310	OBM-N420	OBM-N460	OBM-N550
Input	2 x BNC	3G/HD/SD-SDI-1/2						
	1 x HDMI	HDMI 1.3a						
	3 x BNC (YPbPr)	Analog(YPbPr)						
	1 x BNC (CVBS)	Composite						
	1 x DVI	DVI-D						
Output	2 x BNC	3G/HD/SD-SDI-1/2						
Input Signal Format	SMPTE ST 425-AB	1080p(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF) / 1080i (60/59.94/50)						
	SMPTE ST 274	1080p(30/29.97/25/24/23.98/24sF/23.98sF) 1080i (60/59.94/50)						
	SMPTE ST 296	720p(60/59.94/50)						
	SMPTE ST 260	1920 x 1035i(60/59.94)						
	SMPTE ST 2048	2048 x 1080p(24/23.98/24sF/23.98sF)						
	SMPTE ST 125	480i(59.94)						
	ITU-R BT.656	576i(50)						
	HDMI	~ 1080p(60)						
	DVI-D	VESA/IBM Modes						
Audio In/Out	1 x Phone Jack In	Line In(Stereo)						
	1 x Phone Jack Out	H/P Out(Front, Stereo)						
	2 x Speaker Out	Stereo					-	
Display	Size	18.5" LCD	21" LCD	24" LCD	32" LCD	42" LCD	46" LCD	54.6" LCD
	Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1200 (16:10)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)
	Pixel Pitch	0.213mm	0.248mm	0.270mm	0.363mm	0.484mm	0.530 mm	0.63mm
	Color	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)	1.064B colors(8bit+2bit FRC)
	Viewing Angle	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)	178(H), 178(V)
	Luminance of White	350cd/m ²	250cd/m ²	300cd/m ²	450cd/m ²	700cd/m ²	700cd/m ²	700cd/m ²
	Contrast	1000 : 1	1000 : 1	1000 : 1	3000 : 1	4000 : 1	4000 : 1	4000 : 1
	Display Area (H x V)	408.96 x 230.04 (mm)	476.64 x 268.11 (mm)	518.4 x 324.0 (mm)	698.4 x 392.85 (mm)	930.24 x 523.26 (mm)	1018.08 x 572.67 (mm)	1209.6 x 680.4 (mm)
General	1 x Ethernet	Control/Update, RJ-45P Input / Output						
	1 x GPIO	GPI-7 Port, RJ-45P Jack						
	2 x Serial	RS-422 Jack, RJ-45P Input / Output						
	1 x USB	For Firmware Update, Color Calibration						
	Power Requirements	AC(100-230V,50/60Hz)/DC12V				AC(100-230V,50/60Hz)/DC24V	AC(100-240V, 50/60Hz)	
	Power Consumption	Max 40W	Max 40W	Max 40W	Max 100W	156W	220W	283W
	Operating Temperature	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)	0 ~ 40°C(32°F~104°F)
	Operating Humidity	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH	20 ~ 80% RH
	Weight	6.7kg/14.77lbs	8.5kg/18.73lbs	10.5kg/23.14lbs	18kg/39.68bs	32kg/70.54lbs	35kg/77.16lbs	37kg/81.57lbs
	Dimensions(with stand)	470 x 335 x 120mm 18.50 x 13.18 x 4.72inch	538 x 363 x 120mm 21.18 x 14.26 x 4.72inch	600 X 430 X 130 mm 23.62 x 16.92 x 5.11inch	749 x 507 x 176mm 29.48 x 19.96 x 6.92inch	988x640x300mm 38.89 x 21.19 x 11.81inch	1074x687x300mm 42.28 x 27.04 x 11.81inch	1258 x 815 x 270mm 49.52 x 32.08 x 10.62inch
	Accessories	Power Cable						
	Option	Rack Mount Kit / Carrying Case / Sun Hood / Acrylic Protector / V-Mount				Wall Mount Kit / Carrying Case		

* Specifications are subject to change without prior notice for the product quality improvement.

HDR

OBM N Series

Versatile On-Camera & Field Monitors

3G-SDI x 2 Input & Active Loopout

HDMI 1.4a, YPbPr, CVBS

Cross Conversion (HDMI to SDI)

1.064 Billion Colors

Camera Log Conversion

Custom 3D LUT File Import

Panel Resolution 1920x1080

OBM-N070



OBM-N090

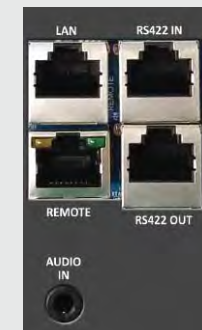


The OBM N series On-Camera & Field monitors offer the superior picture quality and wide viewing angle, and include an array of professional features and the advanced audio & video signal analysis functions including Waveform, Vector Scope, Audio Level Meter, Fast Mode, Camera Log Mapped SDI Loopout, Camera Log Selection, Custom 3D LUT Import, Focus Assist, and many other unique and advanced functions.

The OBM N series On-Camera & Field monitors are equipped with various I/O interfaces such as 3G-SDI, HDMI, Component, Composite, and the Cross Conversion between SDI and HDMI is supported.

Product Highlights

- 3G/HD/SD-SDI 2 Channel Input and Active Loopout
- HDMI 1.4a, YPbPr, CVBS Input
- Cross Conversion (HDMI to SDI)
- HDR(High Dynamic Range) Display supporting ST 2084, Hybrid Log Gamma, S-Log3
- 3D-LUT for Accurate Color Reproduction
- 1.064 Billion Colors
- Camera Log Conversion
- Camera Log Mapped SDI Loopout
- Custom 3D LUT File Import Through USB
- Gamma Selection (1.0 ~ 3.0)
- Color Temperature(3200K, 5500K, 6500K, 9300K, USER 1/2/3, D-CINEMA)
- Compare Color Settings (Side by Side, Wipe Position)
- Waveform, VectorScope
(Wave + Vector, Waveform Wide, Position Change, Size Adjustment)
- Monitor Control via Ethernet, RS-422
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, Variable etc.)
- Internal Patterns Display for Color Test (Black ~ 100% White, Color Bar)
- Time Code Display (Position / Size Selection)
- Easy Firmware Update by USB
- HDR & Camera Log Comparison
- Fast Mode
- Focus Assist
- HDR Waveform
- Zero Scan / 1:1 Scan
- H/V Delay
- Blue/Mono Only
- IMD
- De-embedded 8~16ch Audio Level Meter
- Remote Control via GPI(RJ-45) Port
- 3 Color TALLY Lamp
- Rack Mount Kit (Option)
- Closed Caption(608, 708)
- System Data Copy
- Key Lock & Password Lock
- Aspect
- Freeze



* Functions are subject to change without prior notice for the product quality improvement.

Specifications

OBM N Series

ITEM	OBM-N070	OBM-N090
Input	2 x BNC	3G/HD/SD-SDI-1/2
	1 x HDMI	HDMI 1.4a
	3 x BNC (YPbPr)	Analog(YPbPr)
	1 x BNC (CVBS)	Composite
Output	2 x BNC	3G/HD/SD-SDI-1/2
	1 x HDMI	HDMI 1.4a
Input Signal Format	SMPTE ST 425-AB	1080p(60/59.94/50/30/29.97/25/24/23.98/30sF/29.97sF/25sF/24sF/23.98sF) 1080i (60/59.94/50)
	SMPTE ST 274	1080p(30/29.97/25/24/23.98/24sF/23.98sF) 1080i (60/59.94/50)
	SMPTE ST 296	720p(60/59.94/50)
	SMPTE ST 260	1920 x 1035i(60/59.94)
	SMPTE ST 2048	2048 x 1080p(24/23.98/24sF/23.98sF)
	SMPTE ST 125	480i(59.94)
	ITU-R BT.656	576i(50)
	HDMI	1.4a (~ 1080p(50/60))
	Audio In/Out	1 x Phone Jack In
1 x Phone Jack Out		H/P Out(Front, Stereo)
2 x Speaker Out		Stereo
Display	Size	7" LCD
	Resolution	1920 x 1080 (16:9)
	Pixel Pitch	0.081mm
	Color	1.064B colors(8bit+2bit FRC)
	Viewing Angle	170(H), 170(V)
	Luminance of White	600cd/m ²
	Contrast	800 : 1
	Display Area (H x V)	155.52 x 87.48 (mm)
General	1 x Ethernet	Control / Update, RJ-45P Input / Output
	1 x GPIO	GPI-7 Port, RJ-45P Jack
	2 x Serial	RJ-422 Jack, RJ-45P Input / Output
	1 x USB	For Firmware Update, Color Calibration
	DC In	4-pin XLR
	Power Requirements	DC 12V
	Power Consumption	20W
	Operating Temperature	0 ~ 40°C(32°F~104°F)
	Operating Humidity	20% ~ 80% RH
	Weight	1.6kg
	Dimensions(with stand)	191 x 139 x 40mm
	Accessories	Power Cable
	Option	DV Battery Mount (*OBM-N070 Only)/ V-Mount / D-Tap Cable / Ball Head Table Stand / Rack Mount Kit / Carrying Case / Sun Hood / Acrylic Protector

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POSTIUM KOREA co., Ltd.

208, Building A, Samsung Techno Valley, 140, Tongil-ro, Deogyang-gu, Goyang-si, Gyeonggi-do, Korea, 10594
Tel : +82.2.354.6055 / Fax : +82.2.354.6056 / E-mail : sales@postium.com / www.postium.com