

HD HDR

42" Outstanding Picture Quality

OBM-N420

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



The OBM-N420 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.



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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
- SDR EOTF - BT.1886 (Gamma 2.4)
- 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)
- 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
- Gamut Error
- False Color(Zebra, Color Pattern, ARRI)
- 3 Color TALLY Lamp
- Rack & VESA Mount (Option)
- Closed Caption(608, 708)
- System Data Copy
- Key Lock & Password Lock
- Aspect
- Freeze

Parts and Controls



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

Specifications

ITEM		OBM-N420
Input	BNC (SDI)	2 x 3G/HD/SD-SDI-1/2
	HDMI	1 x HDMI 1.3a
	BNC (YPbPr)	3 x Analog(YPbPr)
	BNC (CVBS)	1 x Composite
	DVI	1 x DVI-D
Output	BNC (SDI)	2 x 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	DVI-D	VESA/IBM Modes
	1 x Phone Jack In	Line In(Stereo)
	1 x Phone Jack Out	H/P Out(Front, Stereo)
Display	2 x Speaker Out	Stereo
	Size	42" LCD
	Resolution	1920 x 1080 (16:9)
	Pixel Pitch	0.484mm
	Color	1.064B colors(8bit+2bit FRC)
	Viewing Angle	178(H), 178(V)
	Luminance of White	700cd/m ²
	Contrast	4000 : 1
General	Active Area (H x V)	930.24 x 523.26 (mm)
	1 x Ethernet	Control/Update, RJ-45 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)
	Power Consumption	Max 156W
	Operating Temperature	0 ~ 40°C(32°F~104°F)
	Operating Humidity	20 ~ 80% RH
	Weight	32kg/70.54lbs
	Dimensions	988.2x639.4x210mm / 38.90 x 25.17 x 8.26inch
	Accessories	Power Cable
	Option	Wall Bracket

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Dimensions(mm)

Dimensions --Main Body : 988.2 x 609 x 70.1 mm
(38.90 x 23.97 x 2.75 inch)
--With Stand : 988.2 x 639.4 x 210 mm
(38.90 x 25.17 x 8.26 inch)

Weight --Main Body : 30kg / 66.13lbs
--With Stand : 32kg / 70.54lbs

