



# 42" HDR 8K Monitor **OBM-U428K**

12G-SDI Single Link 4K (2-S.I. / Square mode)  
6G-SDI Dual Link 2-S.I. 4K (SDI & SFP)  
3G-SDI Quad Link Square Division & 2-S.I. 4K  
Dual SFP Module Inputs (ST 2022-6, 3G)  
Panel Resolution 3840 x 2160  
10bit(D), 1.07Billion colors  
Custom 3D LUT File Import  
700cd/m2



The OBM-U428K is the high grade HDR 8K monitor, designed for professional production and post production work. This new monitor offers the color reproduction and the unique and advanced features. The OBM-U428K also supports various HDR gamma curves, such as PQ, HLG, S-Log3.

The OBM-U428K features wide viewing angle IPS panel, 3840 x 2160 16:9 aspect ratio, 700nit HDR, wide color gamut, custom 3D LUT import, which make it ideal for 4K live production, versatile monitoring and field production applications.

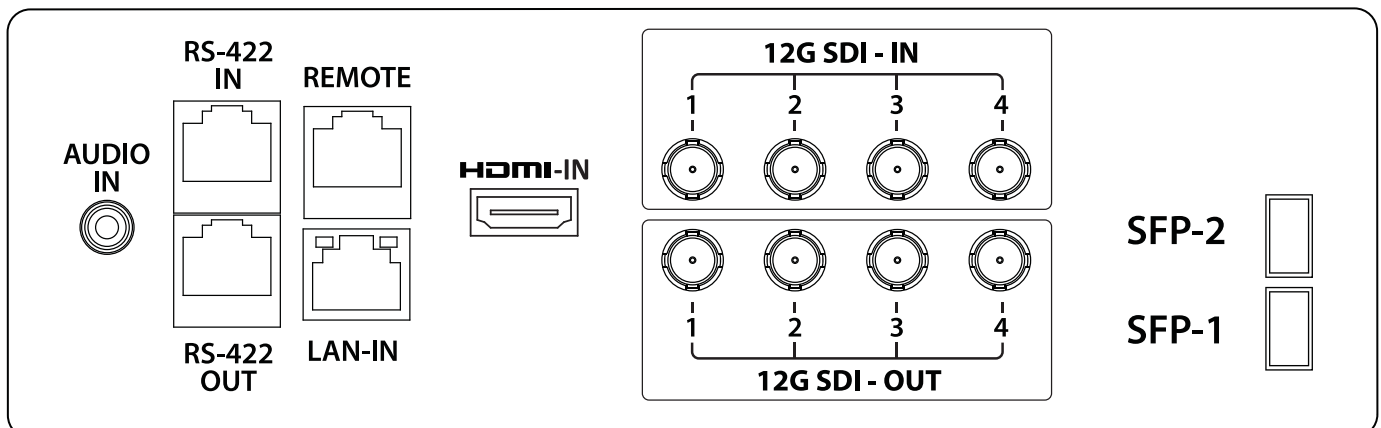


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## Product Highlights

- 12G SDI Quad Link 8K / 12G-SDI Single Link 4K
- 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
- Dual SFP Module Inputs (ST 2022-6 Support)
- HDMI® 2.0 Input
- HDR(High Dynamic Range) Display supporting PQ (ST 2084), Hybrid Log Gamma, S-Log3
- Wide Color Gamut Supporting ITU-R BT.709, SMPTE-C, EBU, Native, DCI-P3, ITU-R BT.2020
- Internal color processing 72bit(24bitx3) + Native 33x33x33 30bit 3D-LUT
- 1.073 Billion Colors
- Gamut Error
- Black stretch
- Camera Log Conversion
- Custom 3D LUT file Import Through USB
- Gamma Selection (1.0 ~ 3.0)
- SDR EOTF - BT.1886 (Gamma 2.4)
- Color Temperature (3200K, 5500K, 6500K, 9300K, USER 1/2/3, D-CINEMA)
- Monitor Control via Ethernet, RS-422
- Image Division & Link Order Auto Detection
- Waveform, VectorScope (Wave + Vector)
- HDR Waveform
- Various Markers (EBU, 4:3, 16:9, 1.85:1, 2.35:1, Variable Custom)
- Zero Scan
- Time Code Display
- De-embedded 8~16ch Audio Level Meter
- Internal Pattern Display for Color Test (Black ~ 100% White, Color Bar)
- Remote Control via GPI(RJ-45) Port
- False Color : Zebra, Color Pattern, ARRI
- Easy Firmware Update by USB
- System Data Copy
- H/V Delay
- Blue/Mono Only
- Focus Assist
- 3 Color TALLY Lamp
- HDR Auto Setting
- Aspect
- Freeze

## Parts and Controls



## Specifications

ITEM		OBM-U428K
Input	4 x BNC	12G/6G/3G/HD
	1 x HDMI®	HDMI® 2.0
	2 x SFP	SFP
Output	4 x BNC	12G/6G/3G/HD/4 Active Loop Output
Input Signal Format	SMPTE ST 2082-12(12G Quad 8K)	4320p(60/59.94/50)
	SMPTE ST 2082-10(12G Single)	2160p(60/59.94/50/30/29.97/25/24/23.98)
	SMPTE ST 2081-11(6G Dual)	2160p(60/59.94/50)
	SMPTE ST 2081-10(6G Single)	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)
	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	-
Display	Size	42.5" LCD
	Resolution	3840 x 2160 (16:9)
	Pixel Pitch	0.2451mm
	Color	1.07Billion Colors(True 10bit)
	Viewing Angle	178(H), 178(V)
	Luminance of White	700cd/m <sup>2</sup> (HDR Maximum 400cd/m <sup>2</sup> )
	Contrast	1000 : 1
Display Area (H x V)	941.184 x 529.416 (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	AC(100-230V, 50/60Hz)
	Power Consumption	150W
	Operating Temperature	0°C ~ 40°C(32°F~104°F)
	Operating Humidity	20% ~ 80% RH
	Weight(With Stand)	32kg / 70.54lbs
	Dimensions (WxHxD)	990 x 639 x 210 mm
	(With Stand)	38.97 x 25.15 x 8.26 inch
Accessories	Power Cable	
Option	Wall Mount Kit / Carrying Case	

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

