



24" HDR 8K Monitor **OBM-U248K**

12G-SDI Quad Link 8K

12G-SDI Single Link 4K

3G-SDI Quad Link Square Division & 2-S.I. 4K

Wide Color Gamut

1.073 Billion Colors

Panel Resolution 3840 x2160

Native 33x33x33 30bit 3D-LUT

internal color processing 72bit(24bitx3)

SDR EOTF BT.1886 (Gamma 2.4)



The OBM-U248K incorporates 4 x 12G SDI input and Loopout(x4), HDMI 2.0 input. The OBM-U248K accepts up to 7680x4320 / 60 / 59.94. / 50p signals. The OBM-U248K provides the function to display the HDR(High Dynamic Range) footage, and supports a wide color gamut conforming to DCI-P3.

The OBM-U248K offers the professional performance, including excellent quality black performance, accurate color reproduction, which make these monitors ideal for 8K/4K live production, versatile monitoring and field production applications. In addition, the OBM-U248K supports the integrated 3D LUT, Waveform, Vector Scope and full feature set.

Advanced 3D LUT Tetrahedral Interpolation algorithm has been applied to the OBM-248K. The accuracy of the color reproduction is better than 33x33x33 grid 3D LUT with cubic interpolation.



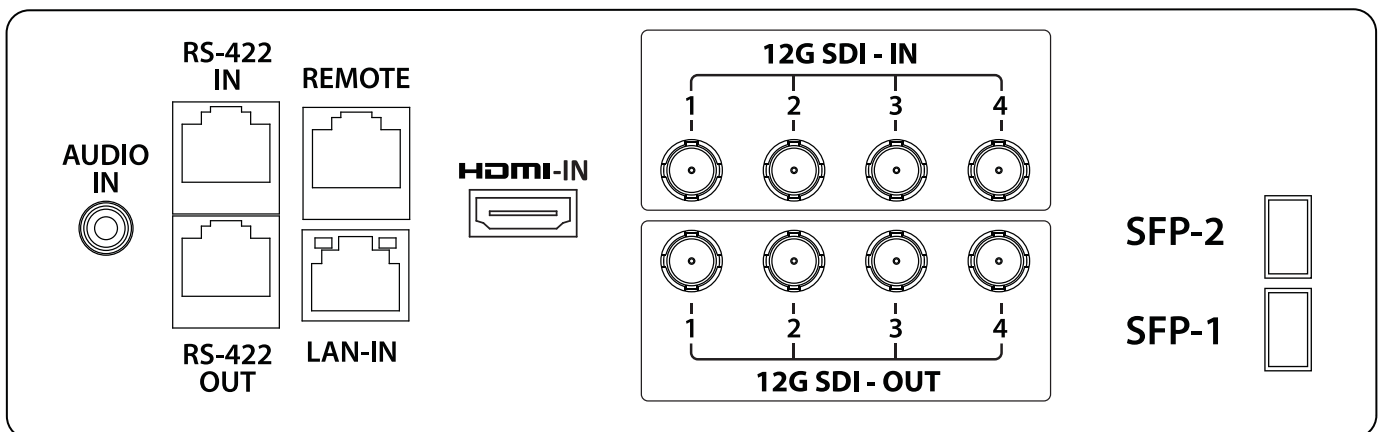
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Product Highlights

- 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



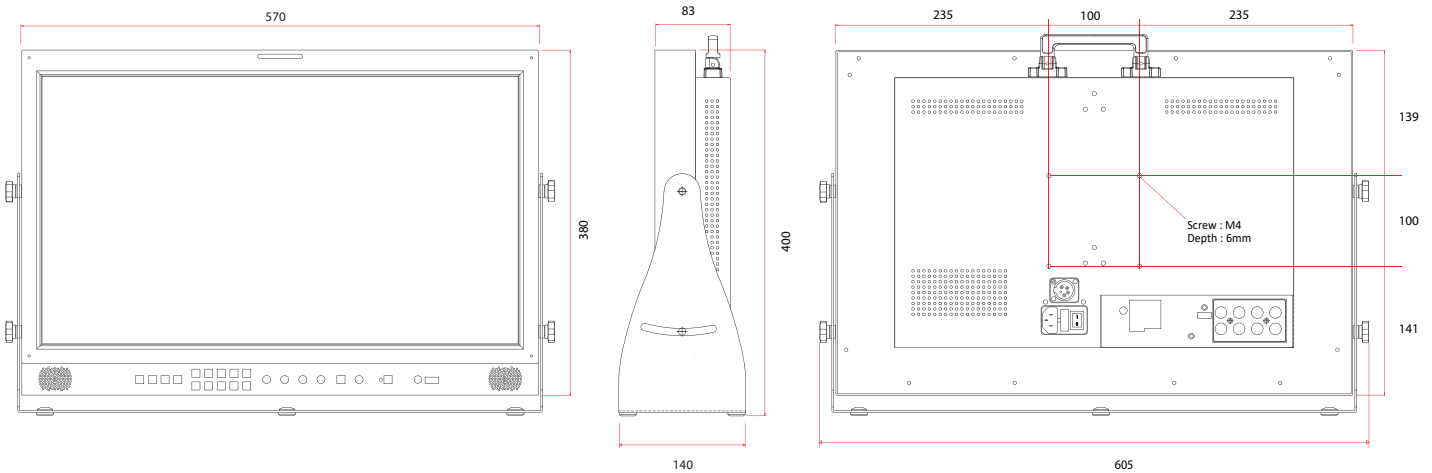


Specifications

| ITEM | | OBM-U248K |
|---------------------|--|--|
| 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 | Stereo |
| Display | Size | 23.74" LCD |
| | Resolution | 3840 x 2160 (16:9) |
| | Pixel Pitch | 0.1369mm |
| | Color | 1.073B Colors, 10Bit |
| | Viewing Angle | 178(H), 178(V) |
| | Luminance of White | 540cd/m ² (HDR Maximum 400cd/m ²) |
| | Contrast | 1200 : 1 |
| | Display Area (H x V) | 525.65 x 295.70 (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 |

Dimensions(mm)

Main Body : 570 x 380 x 83 mm / 22.44 x 12.12 x 3.26 inch / 9.3kg / 20.50lbs
 With Stand : 605 x 400 x 140 mm / 23.81 x 15.74 x 5.51 inch / 11kg / 24.25lbs



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