

**TAMUZ  
MONITORS**

# **LBM 24W HD**

**FullHD LCD Monitor**



**FullHD LCD Monitor  
with native resolution and 4:2:2 HDSDI inputs**

- high-resolution FullHD (92 dpi) 24" active TFT LCD color displays
- cost effective solution for HD monitoring
- QA follows EBU t3325 Recommendation, assured by KonicaMinolta CS-2000
- 16:9 aspect ratio screen, normal, 1:1 and overscan mode
- multiple inputs for SD/HD-SDI 4:2:2, DVI and VGA
- native pixel-to-pixel processing for digital inputs
- Audio speakers in front for SDI embedded
- professional and reliable input connectors
- elegant slim design, lightweight metal frame with glass front, desktop stand
- model LBM 24W HD-A with SD/HD-SDI input, loop out
- model LBM 24W HD-B with SD/HD/3G-SDI input, loop out
- model LBM 24W HD-C with SD/HD-SDI input, reclocked output and broadcast features
- powered by internal universal power supply



**High-End Monitoring Solutions for Broadcast,  
PostProduction, Editing or other Video Applications!**

## FullHD LCD Monitor LBM 24W HD

The VIDRE Budget Series monitors are designed for every video application where a FullHD display is needed to control signals in PostProduction, Control Rooms, ENG, EFP or TeleCine and more at a most cost effective way.

### Technical Specifications:

Screen Type: . . . . . active matrix color TFT, MVA technology  
 Screen Size: . . . . . 24" wide  
 Screen Format: . . . . . 16:9 aspect ratio native  
 Pixel Resolution: . . . . . 1920 x 1200 RGB dots  
 Screen Resolution: . . . . . 92 dpi  
 Color Resolution: . . . . . 16 million colors  
 Color Reproduction: . . . . . EBU (BT.709) color space  
 Color Temperature: . . . . . D65 nominal  
 Color Temp. Range: . . . . . 3200, 6500, 7500, 9500 K selectable  
 Brightness: . . . . . aligned to 150 cd/m<sup>2</sup> for 100% white  
 Black: . . . . . aligned to <0,17 cd/m<sup>2</sup>  
 Contrast: . . . . . >900:1 for static B/W/B  
 Response Time: . . . . . 5 ms, typical  
 Viewing Angle H: . . . . . ±80° horizontal (10% visible contrast)  
 Viewing Angle V: . . . . . ±80° vertical (10% visible contrast)  
 Backlight: . . . . . multiple CCF Lamps  
 Backlight Lifetime: . . . . . >40.000 h's  
 Screen Classification: . . . . . A Grade  
 Screen Certification: . . . . . ISO 13406-2, Cl. 2

Internal Power Supply: . . . . . Switching Power Supply  
 Power Consumption: . . . . . 54 W (@ LBM 24W HD-C)  
 Mains Voltage: . . . . . AC 100-240 V ±10%, 50-60 Hz  
 Mains Connector: . . . . . IEC-320 3pin  
 Power Safety: . . . . . ground on frame

Housing: . . . . . full lightweight metal  
 Frame Color: . . . . . coated RAL 9005  
 Front Cover: . . . . . solid glass faceplate  
 Panel Protection: . . . . . non-glare anti-reflective glass filter  
 Dimensions (WHD): . . . . . 577 x 350 x 67 mm without stand  
 Weight: . . . . . 7,6 (8,6) kg  
 Desktop Mounting: . . . . . tiltable stand  
 VESA Mounting: . . . . . VESA100 threads at rear

Environment: . . . . . 0 to +45°C, operation  
 Storage: . . . . . -30 to +60°C, 5 to 90% humidity  
 Certification: . . . . . CE, EN 50082-2, EN 55022

Accessories: . . . . . desktop stand

Interface Type: . . . . . TAMUZ VIDRE  
 Interface Characteristic: HDTV MultiFormat  
 Image Processing: . . . . . HDTV native 4:2:2 10 to 8 bit dithering  
 Video Processing: . . . . . HiRes digital pixel mapping  
 Processing Times: . . . . . min. 1 field@I-mode, 1 frame@ P-mode

Serial Digital Processing: native SMPTE 292M  
 Aspect Ratio: . . . . . 16:9, full image as standard  
 Active Area: . . . . . 1920 x 1080 RGB dots  
 Overscan Mode: . . . . . Yes  
 Markers: . . . . . Center, SafeArea, 4:3 SD @ LBM 24W HD-C

IMD Function: . . . . . Audio Level, Timecode  
 Operation: . . . . . OSD Menu  
 Remote Operation: . . . . . none

SD/HD-SDI Inputs: . . . . . 1x 10 bit, 1.5 Gbit/s  
 . . . . . 800 mVpp, SingleLink, 4:2:2 @ LBM 24W HD-A/C  
 . . . . . 1x 10 bit, 3 Gbit/s 800 mVpp, SingleLink 4:2:2 @ LBM 24W HD-B  
 SD/HD Formats: . . . . . SMPTE 260M / 274M / 269M / 352M  
 . . . . . 1080i @ 30 / 29.97 / 25  
 . . . . . 1080p @ 30 / 29.97 / 25 / 24 / 23.98  
 . . . . . 720p @ 60 / 59.97 / 50  
 . . . . . 576i @ 25  
 . . . . . 480i @ 30

SD/HD-SDI Impedance: 75 Ohm terminated  
 SD/HD-SDI Connector: . . . . . BNC 75 Ohms type

Graphic Input: . . . . . W-SXGA+ 1920 x 1080, native  
 Graphic Formats: . . . . . EGA, VGA, SVGA, W-SVGA, XGA, W-XGA, SXGA, W-SXGA, UXGA and more

Sync Mode: . . . . . HV, RGsB, RGBS  
 V-Sync: . . . . . Vmin = 55 Hz, Vmax = 76 Hz  
 H-Sync: . . . . . Hmin = 31 kHz, Hmax = 83 kHz

Videobandwidth: . . . . . 25 - 135 MHz  
 Graphic Connector: . . . . . Sub-D 15pin HD  
 . . . . . DVI-D



LBM 24W HD-A - SD/HD-SDI input, loop out, DVI input, VGA input

LBM 24W HD-B - SD/HD/3G-SDI input, loop out, DVI input, VGA input

LBM 24W HD-C - SD/HD-SDI input, 2x reclocked output, DVI input, VGA input, broadcast features like Marker, Audio Level, HV-delay, ancillary Timecode display



Handmade In Germany

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