

**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/m² for 100% white
 Black: aligned to <0,17 cd/m²
 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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