

# RLM 1032W HD

## Class-1 LCD Monitor

**3G SDI**  
EQUIPPED

**1080 P**  
PROGRESSIVE

**StudioLevel**  
ALIGNED

**10 BIT**  
MATRIX PANEL

**LED**  
BACKLIGHT

**Class-1**  
EBU †3320



### **FullHD Class-1 Reference Monitor with native resolution and 4:2:2/4:4:4 HDSDI inputs**

- high-resolution (70 dpi) 32" active TFT LCD color displays
- QA follows EBU †3325 Recommendation, assured by KonicaMinolta CS-2000
- Brightness like SMPTE (35 fL / 120 cd/m<sup>2</sup>) or EBU †3320 (23 fL / 80 cd/m<sup>2</sup>)
- reproduce Color confirming the BT.709 or EBU color space recommendations
- equipped with an unique Backlight System to assure real deep black's <0,03 cd/m<sup>2</sup>
- Contrast > 2.200:1 @ nominal brightness for video 100%
- 16:9 aspect ratio screen, normal, underscan and overscan mode
- multiple inputs for SD/HD/3G-SDI as 4:2:2 or 4:4:4 and MultiFormat capability
- native pixel-to-pixel processing for digital inputs
- analog inputs for YUV/RGB HD and graphic sources
- professional and reliable input connectors
- direct keys and controls for brightness, contrast, color, formats and input selection
- elegant slim design, anodized lightweight full metal frames, desktop stand
- detachable anti-reflective glass protection filters
- AAC Automatic Calibration and Alignment with color analyzer probe capable
- equipped with a TCP/IP port to communicate within a network for user setups
- powered by internal universal power supply



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

## FullHD Class-1 Reference Monitor RLM 1032W HD

The **IMPERIAL EAGLE** series monitors are designed to fulfill the EBU t3320 recommendation, like a measurement device and rated as Reference Class. This monitor is equipped with a 10bit TFT and best for HighEnd applications in PostProduction, Control Rooms or TeleCine and more.

### Technical Specifications:

Screen Type: . . . . . active matrix color TFT, MVA technology  
 Screen Size: . . . . . 32" wide  
 Screen Format: . . . . . 16:9 native aspect ratio  
 Pixel Resolution: . . . . . 1920 x 1080 RGB dots  
 Screen Resolution: . . . . . 70 dpi  
 Color Resolution: . . . . . 10bit, 1.073 million colors  
 Color Reproduction: . . . . . full EBU (BT.709) color space  
 Color Temperature: . . . . . 6504 K nominal  
 Color Temp. Range: . . . . . 3200 to 9500 K select and adjustable  
 Brightness: . . . . . aligned to 80 cd/m<sup>2</sup> for 100% white  
 . . . . . max. 130 cd/m<sup>2</sup>  
 Black: . . . . . aligned to <0,03 cd/m<sup>2</sup>  
 Contrast: . . . . . >2.200:1 for static B/W/B  
 Response Time: . . . . . 6 ms, typical  
 Viewing Angle H: . . . . . ±80° horizontal (10% visible contrast)  
 Viewing Angle V: . . . . . ±80° vertical (10% visible contrast)  
 Backlight LED: . . . . . multiple special RGB LEDs  
 Backlight Lifetime: . . . . . >50.000 h's  
 Backlight CCFL: . . . . . multiple special CCF Lamps  
 Backlight Lifetime: . . . . . >40.000 h's  
 Screen Classification: . . . . . A Grade  
 Screen Certification: . . . . . ISO 13406-2, Cl. 2

Tally Light: . . . . . LED in front as option  
 Tally Feature: . . . . . closed contact at GPI/O port  
 Tally Connector: . . . . . Sub-D 9pin

Internal Power Supply: . . . . . Switching Power Supply  
 Power Consumption: . . . . . 98 W (@ RLM 132W HD)  
 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 7016  
 Front Cover: . . . . . solid aluminum faceplate  
 Front Color: . . . . . black anodized  
 Panel Protection: . . . . . non-glare anti-reflective glass filter  
 Dimensions WHD: . . . . . 766 (810) x 505 (553) x 160 (230) mm  
 Weight: . . . . . 19,7 (22,5) kg  
 Desktop Mounting: . . . . . tiltable stand  
 VESA Mounting: . . . . . VESA100/200 threads at rear

Environment: . . . . . 0 to +45°C, operation  
 Storage: . . . . . -30 to +60°C, 5 to 90% humidity  
 Certification: . . . . . CE, FCC-15, EN 50082-2, EN 55022

Interface Type: . . . . . TAMUZ EAGLE II  
 Interface Characteristic: HDTV MultiFormat  
 Image Processing: . . . . . HDTV native 4:2:2 10 bit or 4:4:4 RGB  
 12 bit to 16 bit rendering  
 Video Processing: . . . . . HiRes digital pixel mapping  
 Processing Times: . . . . . 1 field@I-mode, 1 frame@ P-mode  
 Serial Digital Processing: native SMPTE 292M or 352M  
 Aspect Ratio: . . . . . 16:9, full image as standard  
 Active Area: . . . . . 1920 x 1080 RGB dots  
 Under-/Overscan Mode: Yes  
 Markers: . . . . . Center, SafeArea, SafeTitle, 4:3 SD,  
 Academy, CinemaScope, User  
 IMD Function: . . . . . UMD, Timecode, CC, Audio, Tally  
 Operation: . . . . . direct keys and OSD Menu  
 Remote Operation: . . . . . IR remote, RS 232, TCP/IP 10/100

SD/HD/3G-SDI Inputs: . . . . . 10 bit, 0.27 / 1.5 / 3 Gbit/s  
 . . . . . 800 mVpp, 4:2:2 or 4:4:4  
 DualLink SDI: . . . . . 1x pair 10 bit 1.5 Gbit/s  
 . . . . . 800 mVpp, DualLink, 4:4:4  
 SD/HD Formats: . . . . . SMPTE 259 / 274 / 292 / 296 / 424  
 . . . . . 1080i @ 30 / 29.97 / 25  
 . . . . . 1080p @ 60 / 59.94 / 50 / 30 / 29.97  
 / 25 / 24 / 23.98  
 . . . . . 720p @ 60 / 59.94 / 50 / 30 / 29.97 /  
 25 / 24 / 23.98  
 . . . . . 576i @ 25  
 . . . . . 480i @ 30  
 SD/HD-SDI Impedance: 75 Ohm terminated  
 SD/HD-SDI Connector: . . . . . BNC 75 Ohms type

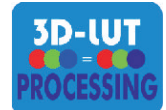
Graphic Input: . . . . . W-UXGA 1920 x 1080, native  
 Graphic Formats: . . . . . CGA, EGA, VGA, SVGA, W-SVGA, XGA,  
 W-XGA, SXGA, W-SXGA, UXGA, MAC,  
 Hercules and more  
 Sync Mode: . . . . . HV, RGsB, RGBS, composite  
 V-Sync: . . . . . Vmin = 23 Hz, Vmax = 110 Hz  
 H-Sync: . . . . . Hmin = 15 kHz, Hmax = 85 kHz  
 Graphic Connector: . . . . . Sub-D 15pin HD

Component Input: . . . . . 700 mVpp, 30 MHz ±1.5 dB  
 Component Formats: . . . . . RGB/YUV  
 Component HD: . . . . . 1080i60, 1080i50, 1080p60, 1080p50  
 Component SD: . . . . . 625i50, 525i60  
 Component Sync: . . . . . composite, Sync on Green  
 Component S/N: . . . . . >60 dB  
 Component Impedance: 75 Ohm terminated  
 Component Connector: . . . . . BNC 75 Ohm



### Order Codes:

RLM 1032W HD1 . . . . . 32" Screen with; 1x 3G/HD/SD-SDI with loop, 2x CCVS, 2x DVI/HDMI, 1x VGA  
 RLM 1032W HD2 . . . . . 32" Screen with; 2x 3G/HD/SD-SDI with loop, 2x CCVS, 2x DVI/HDMI, 1x VGA  
 RLM 1032W HD3 . . . . . 32" Screen with; 3x 3G/HD/SD-SDI with select out, 2x CCVS, 2x DVI/HDMI, 1x VGA  
 RLM 1032W HD3DL . . . . . 32" Screen with; 2x 3G/HD/SD-SDI + 1x DL-SDI with select out, 2x CCVS, 2x DVI/HDMI, 1x VGA  
 option . . . . . analog HD RGB/YUV



Handmade In Germany  
 TAMUZ Broadcast Monitors | Kirchweg 62 - Unit B | D-24558 Henstedt-Ulzburg  
 telephone and fax: +49 - (0)700 - TAMUZLCD [826 895 23]

[www.tamuz.tv](http://www.tamuz.tv)