

# RLM 132W HD

## Class-1 LCD Monitor

**3G SDI**  
EQUIPPED

**1080 P**  
PROGRESSIVE

**StudioLevel**  
ALIGNED



### **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 t3325 Recommendation, assured by KonicaMinolta CS-2000
- Brightness like SMPTE (35 fL / 120 cd/m<sup>2</sup>) or EBU t3320 (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-SDI as 4:2:2 or 4:4:4 or 3G 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 132W HD

The **IMPERIAL EAGLE** series monitors are designed to fulfill the R3320 recommendation, released by EBU in 2007, like a measurement device and rated as Reference Class. This HighEnd LCD is best for 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: . . . . . 16 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: . . . . . 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, EN 50082-2, EN 55022

Accessories: . . . . . desktop stand, IR Remote, 16:9 bezel

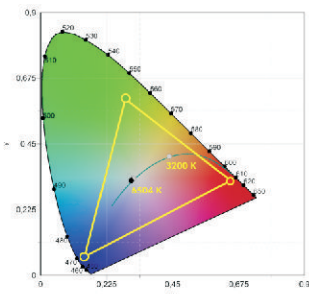
Interface Type: . . . . . TAMUZ FALCON  
 Interface Characteristic: HDTV MultiFormat  
 Image Processing: . . . . . HDTV native 4:2:2 10 to 8 bit dithering,  
 or 4:4:4 RGB 12 bit to 8 bit dithering  
 Video Processing: . . . . . HiRes digital pixel mapping  
 Processing Times: . . . . . min. 1 field@I-mode, 1 frame@ P-  
 mode  
 Serial Digital Processing: native SMPTE 292M 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, Tally  
 Operation: . . . . . direct keys and OSD Menu  
 Remote Operation: . . . . . IR remote, RS 232, TCP/IP 10/100

SD/HD-SDI Inputs: . . . . . 3x 10 bit, 1.5 Gbit/s  
 . . . . . 800 mVpp, SingleLink, 4:2:2  
 . . . . . 1x pair 10 bit 1.5 Gbit/s  
 . . . . . 800 mVpp, DualLink, 4:4:4  
 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-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



**TAMUZ IMPERIAL EAGLE** monitors are equipped with multiple SD/HD-SDI, HD-DL, analog video plus VGA inputs. All monitors have the outstanding AAC feature for Automatic Alignment and Calibration using a Color Analyser probe. The unique **IMPERIAL EAGLE** backlight system allows 100% reproduction of the EBU color space at nominal brightness of 80 cd/m<sup>2</sup> combined with contrast 1.200;1 and very low Blacks. Built-in website for user settings and LUT upload. Additional DualLink or 3G 4:4:4 SDI inputs as option

Handmade In Germany  
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