

TAMUZ
MONITORS

RLM 1024W HD

Class-1 LCD Monitor

3G SDI

EQUIPPED

1080 P

PROGRESSIVE

StudioLevel

ALIGNED

10 BIT

MATRIX PANEL

LED

BACKLIGHT

Class-1

EBU †3320



IMPERIAL EAGLE

FullHD Class-1 Reference Monitor with native resolution and 4:2:2/4:4:4 3G-SDI inputs

- high-resolution (96 dpi) 24" active TFT LCD color displays
- QA follows EBU †3325 Recommendation, assured by KonicaMinolta CS-2000
- Brightness like SMPTE (35 fL / 120 cd/m²) or EBU †3320 (23 fL / 80 cd/m²)
- reproduce Color confirming the BT.709, SMPTE or EBU color space recommendations
- equipped with an unique Backlight System to assure real deep black's <0,07 cd/m²
- Contrast > 1.200:1 @ 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 1024W 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: 24" wide
 Screen Format: 16:9 aspect ratio, 16:10 native
 Pixel Resolution: 1920 x 1200 RGB dots
 Screen Resolution: 96 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/m² for 100% white
 max. 130 cd/m²
 Black: aligned to <0,07 cd/m²
 Contrast: >1.200:1 for static B/W/B
 Response Time: 8 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: 92 W (@ RLM 1024W 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): 555 (600) x 400 (443) x 160 (210) mm
 Weight: 11,8 (12,6) 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, 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 1024W HD1 24" Screen with; 1x 3G/HD/SD-SDI with loop, 2x CCVS, 2x DVI/HDMI, 1x VGA
 RLM 1024W HD2 24" Screen with; 2x 3G/HD/SD-SDI with loop, 2x CCVS, 2x DVI/HDMI, 1x VGA
 RLM 1024W HD3 24" Screen with; 3x 3G/HD/SD-SDI with select out, 2x CCVS, 2x DVI/HDMI, 1x VGA
 RLM 1024W HD3DL 24" 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

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