



RAI Convention Center Hall 10 Stand B48

## PRESS RELEASE

# CLASS-1 HD MONITORS

## IMPERIAL EAGLE

Amsterdam, 11. September 2008

*Exhibiting at the IBC '08 Show in Amsterdam, TAMUZ presents their range of customized and unique LCD Broadcast Video Monitors.*

*At this event TAMUZ presents some highlights from their LCD Video Monitor product range, which are developed and manufactured in Henstedt-Ulzburg, Germany. „We making the monitor products the market needs. Our goal is, to design and manufacture monitors with the best image quality, rich features for applications, long-time product availability, at a cost effective price.“ says Erwin W. Lissy, President of TAMUZ Broadcast Monitors.*

### CLASS-1 BROADCAST MONITORS

First time at IBC, the IMPERIAL EAGLE series. Developed to reach the Class-1 recommendation specifications. A further development of the last years prototype the RLM 124W HD is the first cost-effective Class-1 monitor at the market. To complete the IMPERIAL EAGLE series TAMUZ developed a bigger screen, the RLM 132W HD, containing a 32" FullHD LCD panel with same functionality and specification like the smaller 24" monitor.

The new monitors confirms the EBU 3320 Class-1 recommendation and are

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different to their competition. First the RLM 124W is a FullHD monitor with a 24" LCD panel, competition uses a smaller 22.5" only. Next RLM 124W values for brightness, contrast and black are much better as the recommendation claims. The brightness is set to 80 cd/m<sup>2</sup> nominal, but adjustable in the range of 70 to 100 cd/m<sup>2</sup>, contrast is more than 1.200:1 and the Black is darker as 0.07 cd/m<sup>2</sup> at the nominal brightness.

### **BACKLIGHT SYSTEMS CONTROLS ITSELF**

To reach this specifications, TAMUZ developed for both different screen sizes customize LCD panels, still using CCF lamps. The TAMUZ backlight system has a built-in controller with several sensors to stabilize the light output. The lighting bulbs are calibrated to glow in the right color temperature. This technique produces a more homogeneous and smoother light at the LCD front like it a number of LED clusters generates. The picture quality of these panels are absolutely perfect. It offers wide viewing angles and meets the requirements of EBU compliant colors.

### **HD OR SD DIGITAL INPUTS**

IMPERIAL EAGLE series monitors are equipped with various inputs. Three SD/HD-SDI inputs, analog HD component inputs, analog composite inputs plus analog and digital computer signal inputs as VGA and DVI are standard. Only an additional DualLink or 3G SD/HD-SDI input is an option. All inputs are auto-detecting the format and standard of the input signal to process the image with lowest latency or scaling artefacts.

### **DE-INTERLACER AND BLACK-LINE INSERTION**

Progressive formats are always processed in their native vertical frequency. To process interlace formats several de-interlacer modes are selectable. For special purposes an interlace simulation mode, named Black-Line Insertion, is selectable. This mode displays each field of an interlaced video signal separately and blanking the corresponding second field with black lines. Using this mode the displayed image looks like a CRT image. SD and HD formats can be displayed scaled to fit the screen or 1:1 in a pixel-to-pixel mode.

## **MANUAL OR REMOTE OPERATION**

The keyboard at the front or the TCP/IP port at the rear can be used for operation. Therefore TAMUZ had developed his unique MRC software, which allows to control hundreds of monitors in a network. The MRC software is an excellent tool to manage the monitor setups and to control the unique feature in TAMUZ monitors, the Anti-Sticking mode. Using this mode, it helps to prevent the typical LCD effect of sticking when the monitor is used for long term displaying static content.

## **COLOR ALIGNMENT OF LCD VIDEO MONITORS**

As a last but not least, IMPERIAL EAGLE monitors are, like most of TAMUZ monitors, equipped with AAC, Automatic Alignment and Calibration. A connector at the front for color analyzer probes, like Konica-Minolta CS-200, Klein Instruments K-10 or DK Technologies PM 5639, allows an easy interfacing of the probe.

The monitor's internal processor handles the alignment itself, so no external PC or Test Generator is necessary. The AAC function generates a Lut for the monitor to correct the colorimetry and the gamma shading. Up to four individual setups can be stored in the monitor using the embedded web browser interface.

## **COST EFFECTIVE CLASS-1 BROADCAST MONITORS**

The IMPERIAL EAGLE series is absolutely cost effective. The basic model RLM 124W HD is equipped with all inputs and comes with a detachable front bezel to cover a 16:9 aspect ratio. Additionally, a contrast filter glass can be equipped at the monitor's front. The fully metal monitor housing is designed for desktop use. Pricing starts at 11.800 EURO.

## **CONFIRMING EBU 3320**

The IMPERIAL EAGLE Monitors are an ideal solution for all the broadcasters and PostProductions, which need monitors confirming the EBU recommendations for color critical applications.

Technical specifications, data sheets and manuals are available online for download at [www.tamuz.tv](http://www.tamuz.tv). For high-resolution images for press use, please phone or mail.

TAMUZ Broadcast Monitors, established in 1996, a leading brand in the LCD video monitor industry, is a division of the privately owned PTV Professional TeleVision GmbH, founded in 1993, to develop and manufacture LCD monitors for video applications like Broadcast, Entertainment, Medical, Industry and other branches. TAMUZ monitors are sold world wide through a distributor and a dealer network.