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PRESS RELEASE

US LAUNCH OF IMPERIAL EAGLE, GREY OWL SL and BLACK MILAN

New York, 15. October 2008

Exhibiting at the HD WORLD '08 Show in New York City, NY, 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 to the American market, 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.

IMPERIAL EAGLE CLASS-1 BROADCAST MONITORS

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.

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The new monitors confirms the EBU 3320 Class-1 recommendation and are 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/m² nominal, but adjustable in the range of 70 to 100 cd/m², contrast is more than 1.200:1 and the Black is darker as 0.07 cd/m² 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

An 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 the probe.

The monitors 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 monitors front. The fully metal monitor housing is designed for desktop use. Pricing starts at 11.800 EUROS.

CONFIRMING EBU 3320

The IMPERIAL EAGLE Monitors are an ideal solution for all the broadcasters and PostProductions, which needs monitors confirming the EBU

recommendations for color critical applications.

GREY OWL CLASS-2 BROADCAST MONITORS FOR SD AND HD

Launched at this years IBC was the GREY OWL SL series. A further development of the known series on request of some key customers. The standard model has some hundreds installations at broadcasters world wide.

The new monitors confirms the EBU 3320 Class-2 recommendation and are different in their specifications for brightness, contrast and black opposite to the standard models. The GREY OWL SL, SL stands for StudioLine, are available in the screen sizes of 8.4“, 15“, 17“W, 19“W and 24“W. The brightness is adjustable in the range of 70 to 150 cd/m², contrast is more than 500:1 and the Black is darker as 0.4 cd/m². This are the recommended range of values the EBU 3320 names for Class-2 monitors.

To reach this specifications, TAMUZ developed for all the different screen sizes customize LCD panels. Additional all these SL monitors are equipped with a contrast filter glass in front. Picture quality, especially for the FLM 108, is absolutely perfect. It offers extrem wide viewing angles and meets the requirements of EBU compliant colors.

HD OR SD DIGITAL INPUTS

In general GREY OWL series monitors are equipped with 3 SD/HD-SDI inputs, analog VGA inputs, DVI inputs and analog composite inputs. The format and standard of the input signal will be auto-detected to process the image with lowest latency or scaling artefacts.

Several de-interlacer modes are selectable. Progressive formats are always processed in their native vertical frequency. 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

An last but not least, GREY OWL monitors are, like most of TAMUZ monitors, equipped with AAC, Automatic Alignment and Calibration. A connector for color analyzer probes, like Konica-Minolta, Klein or DK at the front allows an easy interfacing the probe.

The monitors 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.

COST EFFECTIVE BROADCAST MONITORS

Absolutely cost and space effective are the new „GREY OWL“ series. The series contains the FLM 108 / FLM 115 / FLM 117W / FLM 119W / FLM 120 and FLM 124W. The monitor housing is designed to save rack space in height and depth.

CONFIRMING EBU 3320

This TAMUZ Broadcast Monitors are an ideal solution for all the broadcasters who want to built a control room confirming the EBU recommendations.

BLACK MILAN HYBRID MULTIVIEW MONITORS FOR ANALOG, SD AND HD

Launched at this years IBC was the BLACK MILAN series. Shown last year as a prototype, now on delivery in several screen sizes and equipped with

different numbers of inputs.

There is the smaller version BLACK MILAN 4+1, which has four universal auto-sensing inputs for analog composite and SD/HD-SDI feeding the MultiViewer plus an additional fifth SD/HD-SDI input by-passing the MultiViewer section for direct viewing sources in 1:1 mode. On top there is the BLACK MILAN 16+1, which has sixteen universal auto-sensing inputs for analog composite and SD/HD-SDI feeding the MultiViewer plus an additional fifth SD/HD-SDI by-passing the MultiViewer section for direct viewing sources in 1:1 mode.

CONFIRMING CLASS-2

The new monitors confirms the EBU 3320 Class-2 recommendation. The brightness is adjustable in the range of 70 to 150 cd/m², contrast is more than 500:1 and the Black is darker as 0.4 cd/m². This are the recommended range of values the EBU 3320 names for Class-2 monitors.

MORE INPUTS, MORE VALUE

The BLACK MILAN 4+1 series combines the advantages of a flat screen monitor with a Multi-Viewer in one compact system. This 4+1/16+1 concept enlarges the ranges of application of the monitors, for example as switchable preview/program monitor. By-passing the integrated MultiViewer electronics the direct signal is not processed or delayed by the MultiViewer and displays the video without any scaling impairment.

The BLACK MILAN 4+1 is available as 19" rack mountable monitor with a 19" screen (QCM 119W) and additional with screens in the size of 24 and 32 inch. These models QCM 124W and QCM 132W are equipped with FullHD LCD panels and can be uses as desktop or rack mount monitors. High quality image processing with delays not more than one frame for all four universal inputs, auto-detecting SD/HD-SDI and analog composite signals.

UNIVERSAL MULTIVIEW INPUTS

All inputs of the MultiView section accepts analog composite and SD/HD-SDI signals, auto-detecting the format and standard. So an combination of

totally different signals like analog NTSC, 1080i @ 50, 720p @ 60 and 1080psf @ 24 is possible to be displayed at once. The synchronization for the screen is user selectable to an input or a fixed vertical frequency.

An internal generated real time clock can be add to the set of video images. Therefor a LTC input is equipped to sync to house reference.

DIRECT DIGITAL INPUTS

The direct SD/HD-SDI input auto-detect format and standard of the input signal to process the image with lowest latency or scaling artefacts.

Several de-interlacer modes are selectable. Progressive formats are always processed in their native vertical frequency. 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. Using the front panel keyboard four configurable setups are selectable as well as each video in full screen display mode.

All BLACK MILAN monitors comes with a free Windows software to configure the layout via TCP/IP network. The MultiView layout is absolutely without limits. Each video can have any size and any position. UMD, tally and 8-channel audio level metering complets the functionality.

STREAMING THE MULTIVIEW IMAGE

An other unique feature of the BLACK MILAN monitors is the streaming of the MultiView image via TCP/IP. Any external PC system can communicate with the BLACK MILAN monitor to receive the streaming OnScreen image. This feature is useful to have an additional display for reporters or other users without any extra costs.

COLOR ALIGNMENT OF LCD VIDEO MONITORS

BLACK MILAN monitors are, like most of TAMUZ monitors, equipped with

AAC, Automatic Alignment and Calibration. A connector for color analyzer probes, like Konica-Minolta, Klein or DK at the front allows an easy interfacing the probe.

The monitors 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 colormetry and the gamma shading.

COST EFFECTIVE BROADCAST MONITORS

Absolutely cost and space effective are the new „BLACK MILAN“ series. The monitor housings are designed to save rack or desk space in height and depth.

CONFIRMING EBU 3320

This TAMUZ Broadcast Monitors are an ideal solution for all the broadcasters who want to built a control room confirming the EBU recommendations.

Technical specifications, data sheets and manuals are available online for download at 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.