

## PRESS RELEASE

# HAWK II PORTABLE BROADCAST MONITORS

Las Vegas, April 20th 2009

*Exhibiting at the NAB '09 Show in Las Vegas, NV, 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 are listening to the needs of the market and we are producing the monitors the market demands. 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.*

## PORTABLE BROADCAST MONITORS FOR ANALOG, SD AND HD

Launched in 2002, the HAWK series achieved fame as a high-end portable monitor with a high resolution screen in a rugged design. Originally designed for applications, such as, a camera monitor for acquisition or studio production

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years ago this monitor offered SD inputs only. Now, seven years later, TAMUZ is proud to announce the remake as HAWK II series. Today's state-of-the-art technologies are being used to design an unique monitor packed in the same successful rugged portable full metal housing.



The TAMUZ HAWK II series **OCM 107W HD** is the first portable battery powered monitor on the market now using an OLED display (Organic Light Emitting Diodes) for SD/HD-SDI signals. This display technology offers unique advantages compared to the standard TFT LCD displays.

- Full BT.709 or EBU color space
- daylight outdoor usability without modification
- no delays or response time in image presentation
- no smear or latency effects
- absolute deep black at video signal black
- no issues with viewing angles

- less weight and low power consumption

The OLED display was combined with an interface offering inputs to match camera output signals of today. The OCM 107W HD is equipped with a looped SD/HD-SDI input, a looped analog composite input, an analog HD capable component input and a HDMI input. The HDMI port is designed for professional use and will not accept HDCP coded signals from consumer electronics.

The HAWK II monitor is available in the screen sizes of 7.6 inch with a panel resolution of 800x480 pixels. The new monitor series confirms the EBU t3320 Grade-2 and EBU t3325 measurement recommendations. The brightness is set for the European market to 150 cd/m<sup>2</sup> nominal, but adjustable in the range of 70 to 200 cd/m<sup>2</sup>. For the American market the monitors are aligned to 43 fL, the range is set as 20 to 57 fL.

The contrast is more than 500.000:1 and the Black is darker as 0,000.09 fL (0.000.3 cd/m<sup>2</sup>) at the nominal brightness of 43 fL. These values prove to be better than the recommended values of the EBU t3320 Grade-2 monitors. SMPTE standards will follow shortly.

Additionally, the HAWK II monitors are equipped with a contrast filter glass in front. Picture quality, especially for the OCM 107 HD, is absolutely perfect. The displays offers wide viewing angles (>±45° HV at 90% visible brightness level) and meets the requirements of BT.706 or EBU compliant colors.

## MANUAL OR REMOTE OPERATION

The HAWK II series is equipped with a keyboard at the left hand side containing a number of turn-knobs and switches for several functions like Inputs, Split, FullScreen, Brightness, Contrast, Saturation, Backlight, Zoom, Marker and more for direct adjustment. Specific settings can be done within the OSD menu. The OSD is operated by an infrared remote controller.

## COLOR ALIGNMENT OF LCD VIDEO MONITORS

And last but not least, the HAWK II series monitors, like most of TAMUZ monitors, are equipped with AAC - the Automatic Alignment and Calibration function. A connector at the back of the monitor allows for an easy interface with the color analyzer probe.

The monitor itself handles the alignment by its internal processor, so no external PC or Test Generator is necessary. The AAC function generates a individual LUT to correct the colormetry and the gamma shading for the monitor to display the image at its best without banding effects. Individual setups can be stored inside the monitor using the embedded web browser interface. For best and perfect calibrated performance - the reset button at the rear will reconfigure all user settings back to the factory default.

## COST EFFECTIVE CLASS-2 PORTABLE BROADCAST MONITORS

The HAWK II series is absolutely cost and space effective. The series contains currently the OCM 107W HD. Other sizes coming soon.

The full metal monitor housing was designed to save space in height and depth. The OCM 107W HD comes with a battery adapter for V-mount type battery systems, a soft protection bag with shade flaps and standard 3/8 mount threads at top and bottom.

The package OCM 107W HD including accessories starts at \$4.290.

## CONFIRMING SMPTE, BT.709 AND EBU 3320

The HAWK II Monitors are the ideal solution for all camera users in broadcast, film or show who require a compact low power light weight portable monitor confirming the SMPTE, ITU or 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 latest high-resolution images for printing use the download area at [www.tamuz.tv/pressframe.htm](http://www.tamuz.tv/pressframe.htm) or call-in by phone or email.

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.

TAMUZ manufactures LCD Monitors for Broadcast Applications in the size from 4" up to 82". The IMPERIAL EAGLE series is designed for high-end broadcast and post production applications confirming SMPTE/EBU recommendations at 35/23 fL brightness. The GREY OWL SL series is designed for broadcast applications aligned to studio levels confirming SMPTE/EBU recommendations at 35/23 fL brightness. The SPARROWHAWK series is designed for displaying MultiView images. The HAWK series is designed for portable applications in acquisition at the filmset.

To serve the North American market (USA, Canada, Mexico) a branch office (TAMUZ USA, LLC.) is operating in Chester, New Jersey. For details see [www.tamuz-usa.com](http://www.tamuz-usa.com), or contact Dave Hartmann at 908 - 879 0010 ([info@tamuz-usa.com](mailto:info@tamuz-usa.com)).

The South American market is supported by Inviso Video Solutions International, Inc. based in Miami FL as master distributor and their network of sub dealers. ([www.inviso.tv](http://www.inviso.tv))