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ProHD

New from JVC at IBC2011

Camcorder, monitor and 3D innovations

GY-HM150 ProHD camcorder

The GY-HM150E is a highly mobile, professional dual memory card camcorder, with the flexibility to fit seamlessly into almost any production environment. The camcorder natively records Apple's QuickTime™ (MOV) file format for Final Cut Pro™ for a smooth, hassle-free workflow and also supports HD MP4 and SD AVI file recording.

- Dual memory card slots offer the flexibility of seamless relay recording or simultaneous recording for instant backups
- Both SDHC and SDXC support
- SD and HD recording/playback
- Hot-swap (relay or simultaneous) recording
- Interval recording
- Area marker / safety zone
- SD recording in DV 4:2:0 25 Mbps
- HD recording MPEG-2 from 19-35 Mbps
- Rotary optical image stabilizer

GY-HMZ1 3D HD camcorder

With an integrated 3D twin lens design, the GY-HMZ1 3D camcorder can simultaneously record each left and right image in full 1920x1080 HD resolution. These streams combine to form an exceptional 3D image, making it possible to acquire true full HD resolution 3D footage, even in low light.

- 1920 x 1080 full HD 2D and 3D recording
- SD card slot and 64GB internal memory
- JVC 3D twin HD GT lenses - F1.2 super bright lens (sensitive down to 4 lux)
- 3.5 inch glasses-free 3D touch panel LCD monitor with 64GB Internal Flash Memory
- Includes 3D to LR converter software package for Windows and Mac
- 3D sound and 3D digital still images
- Advanced image stabilizer (3D and 2D)
- Handle with two XLR microphone inputs

4K technology preview

A JVC prototype handheld camera, featuring the world's first large-scale integration (LSI) chip for high-speed processing of high definition (HD) video, will be shown as a 4k technology preview at IBC.

The new LSI chip enables processing, encoding and recording of 4K2K images, which have four times the resolution of full HD, producing footage and images in groundbreaking clarity and detail.

The result is a high-level processor suited to a wide range of professional products – and with all hardware and software integrated into a single platform, products using the LSI platform can be commercialised quickly.

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3D production tools

DT-3D24G1 3D monitor

Ideal for use in editing suites, the DT-3D24G1 24-inch production monitor features a compact screen that supports virtually any 3D camera setting, with advanced image alignment tools and 1920x1200 pixel resolution. It is equipped with proven DT-V series technology including an IPS panel, switchable colour space and waveform.

- 24" IPS Panel 1920 x 1080 X-Pol technology
- 3G and Dual Link HD-SDI Inputs
- Works with dual camera systems, stereo-rigs, Side-by-Side and Line-by-Line 3D signals
- SMPTE 424M/425M/372 M
- JVC 10-bit video processing
- Switchable colour space ITU709/Adobe
- Waveform/vectorscope
- 3D swap, rotation and mirror function
- 3D measurement markers with % and pixel

GD-323D20 3D monitor

Perfect for any medical, broadcast or post production application, such as medical surgery (endoscopy) or microscopy, the display is fully medical-proof with safety listing and IEC compliance. It is equipped with 2x HDMI 1.4A inputs and 2x HD-SDI professional inputs, allowing support for various signals.

- 32" 1920x1080 full HD panel, 16.7m colours
- Passive 3D reproduction (Real-D compatible)
- 2x HDMI 1.4 A inputs with image mixing function (left/right support)
- 2x HDSDI 1.5 GB inputs with mixer function
- 1x composite input, for use in operating theatre environments
- RS422 remote-controllable
- Make Trigger function
- 13.5kg without stand, fits most surgery holders

IF-2D3D1 and TS-2D3D1V3

The innovative JVC IF-2D3D1 processor and TS-2D3D1V3 software upgrade, has been designed to analyse and convert standard 2D video into 3D in real time, saving significant production costs. The system is ideal for live event production, such as sporting events or music concerts, and for repurposing archive 2D content to 3D.

- Real-time conversion from 2D to 3D
- Two 3GHz HD-SDI inputs, 1080P capable
- Two 3GHz HD-SDI outputs
- HDMI (without HDCP) in/out
- Two camera signals may be stereo coded
- Adjustment for picture parallax and depth
- 2x integrated frame synchronizers
- Built-in wave-vector monitor for signal control
- TS-2D3D1V3 software upgrade adds additional depth models and parallax amount limit function

Professional production monitors

DT-V21G11 production monitor

The 21-inch DT-V21G11 features a full-HD 1920 x 1080 IPS panel with white LED backlighting. The monitor has a reduced power consumption of around 20-30% less when compared to traditional CCFL lighting. This increases the monitor's lifetime by up to a remarkable 300% and produces smooth and consistent imaging.

- Full HD 1920x1080 panel with LED backlight
- 3G HD-SDI inputs, dual HD-SDI loopthrough
- Integrated waveform/vectorscope function
- Extremely high viewing angle - IPS panel
- Shortened envelope delay of less than 1 frame
- UMD function with colour selection, controllable via RS-232/485
- Several external control options
- Full vertical screen mode for SD 4:3 signal
- 1:1 mode with HD

DT-E21L4 & DT-E17L4 monitors

The new DT-E series of cost-effective HD monitors provides an affordable alternative to the industry-standard DT-V G Series high-end production monitors. The two models in this range, the DT-E17L4 and DT-E21L4, feature fast TN panels with white LED backlight, providing improved contrast and black levels.

- 1920x1080 TN Panel
- TSL protocol compatible
- Two programmable front function keys
- Tally control with dual colour split information
- HD-SDI in/out (1.5G)
- Embedded-audio level meter, 16 channel
- HDMI input (screw type) and CVBS (BNC) in/out
- RS-232C in , RS-485, make trigger
- Integrated speakers

For further information as it becomes available, please visit www.jvcpro.eu.

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