

# Surfing on light

3D project uses professional JVC projectors to recreate a journey

## Handheld camcorders

Whether you need HD, 3D or 4K, these new camcorders from JVC are small but perfectly formed.

## Tools for production

Hire companies invest in JVC GY-HM790 fibre studio cameras and new 3D production tools.

# HIGHWAY



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# JVC

JVC'S PATH TO IMPROVED IMAGING STANDARDS

# Handheld camcorders

The IBC 2011 show played host to a number of new handheld camcorders from JVC, from the GY-HM150 tapeless camcorder through to the GY-HMZ1 3D camcorder. And let's not forget the prototype of an amazing 4k camera that's likely to make its debut in the near future too. Here are some key features of all three.



## GY-HM150 full-HD camcorder

This replacement for the versatile GY-HM100 includes a range of technological improvements that offers users total flexibility and a fast editing workflow, including the option to record in both SD and HD formats, and the ingenious Pre Rec mode. It's also JVC's first handheld to feature dual SDHC/SDXC card slots, allowing simultaneous recording to both cards for instant back-up or seamless relay recording between cards for continuous shooting.



## GY-HMZ1 3D camcorder

With an integrated 3D twin lens design, powered by JVC's proprietary large-scale integration (LSI) chip for high-speed processing of HD video, the GY-HMZ1 can simultaneously record each left and right image in full 1920x1080 HD resolution. These streams combine to form the GY-HMZ1's exceptional 3D image, making it possible to acquire true full HD resolution 3D footage in either L/R independent or side-by-side format and in light levels as low as 4 lux.

## 4k handheld camcorder

The prototype 4k camera, again featuring JVC's LSI chip for super fast processing, raised plenty of interest at the IBC show and it is planned as an actual JVC product soon. The LSI chip enables processing, encoding, and recording of 4K2K images – four times the resolution of full HD.

# GY-HM790 for live events

## Flexible camera system chosen by production and hire companies



**Well-established live events and AV hire companies are moving away from the more established brands typical to the hire industry and choosing the JVC GY-HM790 fibre solution for its performance, versatility and value for money.**

Onyx Presentations Ltd. has bought six complete JVC GY-HM790 HD camera fibre channels, two JVC KM-H3000 12-channel production switchers and seven DT-V professional monitors, as part of a large investment in new HD technology. The hybrid fibre channels, supplied by CVP Group and financed by Finline Media Finance, will become part of Onyx's rental stock, available for dry hire and live events.

Audiotech Services Ltd., based in Barnsley, has also recently purchased four GY-HM790 HD camera fibre channels, supplied by TNP Broadcast and also financed by Finline, to add to its hire division. Audiotech chose the GY-HM790 camera system as it's extremely adaptable, offering full ENG and studio capability with a modular robust design.

The integrated hybrid fibre solution supports up to 500m single cable runs between the camera and the base station.



Power, control and intercom all run back and forth through one single, lightweight but tough fibre optic cable. JVC's clever design and the integrated fibre package allow for fast deployment, essential in the live events market.

AVEX, a professional audio video rental and production company, purchased a JVC GY-HM790 camcorder for its live event and video production divisions. In addition to its own staff, the company uses a network of subcontractors for its live event production, so it was essential that the camera was easy to operate, even with limited hands-on experience.

"We are getting requests for the camera not only from our corporate rental clients but also from other production firms," said David Throldahl, AVEX president. "We have received phenomenal reports back from everyone, and the fact that we can shoot to affordable SDHC cards and hot swap them made the solution exceedingly simple."

## Reference projectors 2D HD with 4k precision

**JVC has introduced two professional projectors that display 2D HD content with full 4K precision. They feature new e-Shift technology, capable of projecting images with 3840 x 2160 pixel resolution, four times that of full HD.**

The DLA-RS55 and DLA-RS65 3D-enabled projectors boast a wide range of advancements over previous models, including higher native contrast, improved 3D performance and enhanced functionality. Using e-Shift, 2D HD content is upconverted and scaled to a 4K signal (3840 x 2160) and the e-Shift technology displays it at full 4K precision. Compared to a full HD (1920 x 1080)

image, that's twice the horizontal and vertical resolution and four times the number of pixels. The result is a stunningly detailed image with minimal aliasing artifacts found in standard HD displays.



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## Post-production suites upgrade to HD

Monitoring and recording goes high definition at Nigerian broadcast company, OSRC

Nigerian broadcast company, Ondo State Radiovision Corporation (OSRC), has received and installed six JVC DT-R17L4D HD video monitors and ten SR-HD1250 Blu-ray HDD/DVD recorder and playback machines in their new non-linear edit suites.

OSRC has used JVC products since 2003 when they 'fell in love' after a team of JVC engineers installed two SD television broadcast and production studios for the company.

Ayekomilogbon 'Femi, the Corporation's Controller of Engineering Services, explained that they chose JVC equipment because the picture resolution of the monitors was a true replica of the output of their ENG HD cameras. "The ability to monitor HD, SD and analogue composite video signals on the same monitor makes it a better option for broadcast stations in the process of transiting from analogue to digital broadcasting. The fact that speakers are installed on the monitors makes our editors happy, since this gives more space on the NLE table!" 'Femi stated.

OSRC have invested in ten SR-HD1250 Blu-Ray HDD/DVD decks, which are a vital part of the station's editing workflow. "The recorder and playback machines fitted with hard drives for content storage and with the seamless transfer of content to Blu-Ray discs have drastically reduced the time wasted during content transfer meaning other jobs that require urgent attention spend less time in the queue. The installation of the recorders has considerably improved our final output quality."



## Surfing on light

3D video installation in Rotterdam features eight JVC 3D projectors

Renowned Dutch cinematographer and director, Jan de Bont, recently created a four-screen three-dimensional video installation, *Surfing on light*, which used eight JVC DLA-F110 projectors installed as four 3D pairs.

The installation – part of a pan-European art project along the new high-speed train line from Amsterdam to Paris – required high native contrast projectors to display the landscapes, and the DLA-F110 suited their requirements perfectly with its smooth colour gradients.

Fully surrounded by large screens at close distance, the viewer experienced the amazing visuals and light, all at the high speeds found on this new trainline. The 3D images make this experience even more unique as it puts the viewer right inside the landscape.

## 3D for production

New DT-3D24G1 24" monitor is perfect for post

JVC's DT-3D24G1 monitor is a compact 24" 3D display that includes a range of significant production tools. It has recently been purchased by ONSIGHT and Inition.

Production facilities company, ONSIGHT, bought the 24" 3D production monitor for use in its camera rental department for playback and S3D monitoring on set. Equipped with proven technology from the DT-V Series of monitors series – including an IPS panel, switchable

colour space, high-resolution waveform and vectorscope – the 3D monitor accepts and processes signals from dual camera systems, stereo-rigs and coded Side-by-Side and Line-by-Line 3D signals.



Creative 3D technology company, Inition, also like their new purchase. "The JVC DT-3D24G1 offers more functionality and a wider field of view than any other professional monitor on the market," said Shannon Dowsing, 3D technology consultant, Inition. "This has become our reference monitor for 3D production and post due to its exceptional quality and flexibility."

## Omagh history park New studio in Northern Ireland uses JVC ProHD camcorders to recreate history

InterMedia Ireland has launched Studio 21, a newly-refurbished broadcast studio in the heart of County Tyrone, Northern Ireland. The studio is located on what is known as History Park – a collection of reconstructions of housing, tombs, monuments and religious buildings covering about 10,000 years of Irish history.

Led by a team of qualified experts, the stylish learning environment hosts a range of accredited media courses but also offers the chance for local businesses and students to use the facility or hire its services. Media students have a unique opportunity to gain valuable industry-standard experience using JVC's tapeless camcorders. The studio has a range of shoulder-mount GY-HM700 and handheld GY-HM100 camcorders, supplied by Eurotek Ireland, and is planning to upgrade to the GY-HM750 in the New Year.

"The JVC cameras were a great option for us because we could record to low-cost SDHC cards, which will save us a fortune!" explains Gareth Boyle, Manager, InterMedia Ireland. "We edit with Final Cut Pro, so the fact that the camcorders



record to QuickTime .mov file formats at 35Mbps means we can simply drag files straight into the software for editing with no transcoding. The image quality on the camcorders is exceptional too, and we find the handheld GY-HM100s perfect for outdoor shoots as they are discrete and easy to handle."

The location features the latest in innovative learning technologies, including a 70-seater cinema to review work captured in the studio, breakout rooms or outdoors. "This facility is a magnificent achievement," Gareth adds, "and the resources and expertise at Studio 21 will actively enrich media teaching, giving students the chance to ignite a passion and excitement to work in the creative industry sector in Northern Ireland. We hope to help put young people on course towards relevant media careers and ultimately enhance our country's economic competitiveness."

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# 48 hour test drive

Introducing the GY-HM750 – a highly mobile and professional dual memory card camcorder. Based on an upgraded digital processing engine, the GY-HM750 features improved picture quality, with the ability to record either HD or SD directly to economical SDHC solid state media. Record to both cards simultaneously for an instant backup, or individually for virtually unlimited recording time.

And like other ProHD camcorders, the GY-HM750 records in the native file formats of popular professional editing systems for the world's fastest workflow. Whether you're shooting news, commercials, documentaries or music videos, the GY-HM750 will help keep your media safe.

But don't just take our word for it - try the 48 hour test drive for free by visiting [www.jvcpro.co.uk/jpe/testdrive](http://www.jvcpro.co.uk/jpe/testdrive) and make up your own mind.

Additional offer: receive a free iPad 2 with every GY-HM750 camcorder\*



Test drive available for GY-HM150 and GY-HM750.