

MONITOR

JVC'S FOCUS ON SURVEILLANCE TECHNOLOGY

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Megapixel technology
for new IP camera



JVC

The Perfect Experience

Pixel power

Megapixel IP cameras

Two new cameras, the VN-X35E Megapixel camera and VN-X235VP4E mini-dome camera, have been recently introduced as part of JVC's complete IP solution. The VN-X35E and new VN-X235VP4E Megapixel cameras benefit from many years of security industry knowledge, and are two of the highest-performance cameras to be found on the market today.

The VN-X35E 1.3 Megapixel camera can record dual-stream Quad-VGA (4xVGA), Motion JPEG and VGA MPEG-4 and is packed with a wide range of features including an Easy Day Night colour / mono function for 24/7 viewing and active gamma function (Easy Wide-D) for backlight compensation.

The camera has trigger input using built-in motion detection and an external alarm input / output and a pre- and post-alarm buffer of up to 8MB. It also features bi-directional audio communication and a built-in display mode - LCD1/LCD2/CRT or custom selectable - as well as a free shape and unlimited number of positions



VN-X235VP4E

for privacy masking. Integration is also simplified due to its open architecture API for system customisation. When in use, 20 simultaneous users are able to view images and unlimited users can view images via multicasting.

The VN-X235VP4E is a vandal-resistant mini dome version of the Megapixel camera, and features True Day Night capabilities for optimum picture quality under low light conditions. ■



JVC at IFSEC

PoE cameras and Megapixel technology at European event

JVC are exhibiting their innovative and extensive range of PoE security cameras at IFSEC 2009, the largest annual global security event. Leading the show for JVC will be the new eco-friendly VN-V685U – the world's first fully functional Power over Ethernet (PoE) PTZ dome camera.



VN-X35U

The VN-V685U uses JVC's newly-developed direct drive motor mechanism for precise, silent control over the pan and tilt. Other features include simultaneous distribution of full-frame MPEG-4 and Motion-JPEG streams at full frame rate (30fps), a 27x optical zoom (36x on the VN-V686BU/WPBU models) and True Day/Night capabilities. There are internal and external (VN-V686WPBU) housing versions available, each of which feature PoE and improved low light level performance.

The cameras are also extremely eco-friendly. Their built in PoE allows the camera to be powered through a LAN cable connection, so both power supply and image transmission are covered by a single cable, reducing costs for cables,

installation and power. With 30% less power consumption, the VN-V685/V686 series can minimize impact on the environment.

JVC are also introducing Megapixel technology with the VN-X35U IP camera. This incorporates a 1.3 Megapixel progressive scan CCD to capture high-quality, high-precision images. It can distribute up to Quad VGA (4xVGA), Motion JPEG and VGA MPEG-4, and features Focus Assist mode for accurate focus adjustment and precise imaging. The Quad VGA images allow you to use the VN-X35U like a PTZ camera; using the digital zoom, you can magnify any area of the image and the magnified area can be moved freely to maintain the same zoom ratio.

VN-V686WPBU



GM-F Series

Professional displays

The new GM-F Series of professional industrial displays, designed for 24/7 operation, is ideal for applications where reliability, robustness and high image quality are essential.

There are three sizes available within the series – 42", 47" and 52" models. Each model offers a high brightness (700cd/m²) LCD panel and a MTBF (mean time between failures) of over 50,000 hours.

Typical applications include security and control rooms, digital signage for shops, hotels, public areas and museums, schools and offices, and broadcast viewing and control.

The GM-Fs have full HD resolution of 1920x1080 pixels, with an ultra-

thin front bezel for tiled mounting in configurations of up to 5x5 display units. The tiled option uses analogue video (with loop through).

The GM-F Series displays feature a PIR sensor, which can be used in security, digital signage or for power saving applications. When the sensor detects a person, it can perform specific actions including changing volume level, back light, power on and input select. The sensor can easily be configured with TV-TOOLS digital signage solution or used as an independent controller. ■

There's a new vandal-resistant mini-dome range: the fixed VN-V225VPU network dome camera and its Megapixel variant, the VN-X235VP4U. Both are IP66 compliant, with

dust/waterproof feature and a rugged vandal-resistant body design, making them suitable for installation in the most demanding of environments. The cameras feature JVC's patent-pending 'Fine Adjust' focusing technology, which assists focusing and setup via a newly developed screw mechanism incorporated into the variable-focal lens. Other features include free shape privacy masking and True Day/Night capabilities, providing optimum picture quality under low light conditions and ensuring secure round-the-clock surveillance.

Displaying all the information will be the new GM-F Series of professional industrial screens, arranged in a video wall configuration of nine monitors. In addition, our TV-TOOLS digital signage system will be showing information on all our IP dome and static cameras, LCD monitors and network video recorders - JVC's end-to-end surveillance solutions. ■

LM-H Series

Robust security monitors for surveillance

JVC's LM-H Series of professional TFT-LCD monitors is designed specifically for the professional security and surveillance market. Built to the highest specifications, the monitors combine superb visual performance with precise high resolution images.

The LM-H171 and LM-H191EB are rugged, reliable monitors, intended for 24/7 use in the most challenging environments such as complex control room applications. The cabinets are fire-retardant, with compact and easy to operate front panel controls. Non-glare panels feature easily adjustable tilt positions for optimum operator viewing and the power supply is built in, with the option of a rack mount adaptor.

The LM-H Series monitors accept video, VGA and DVI input signals, enabling use with the latest analogue and digital network recording equipment.

Four picture modes (standard, dark enhanced, vivid and dynamic), allow users to calibrate their screen image for the desired picture quality, while custom picture settings allow adjustment of the contours and signals, making the best of any image captured during the day or night. ■





Airport security checks

Security at the highest level for DHL airport hub

DHL has recently chosen JVC professional IP cameras for their new airhub in Leipzig, Germany - Europe's largest freight distribution centre. This comprehensive security solution, configured by JVC system integrator, WIS Sicherheit, contained more than 550 JVC network cameras, used for surveillance of the premises and access control.

With security of paramount importance, the new DHL airhub location needed a new JVC system that fulfilled the tasks of coverage, visual operation surveillance and access control. DHL had been using access control systems for years, but at that time, without the integration of video. So when the new logistics centre was built, it was decided to integrate JVC network cameras into the security management system, called iProtect.

The security management system, iProtect, consisted of access control via Mifare readers, burglar detection systems, XProtect Enterprise from Milestone, NVR hardware with RAID6 configuration to store video for at least 30 days, and video streams from a host of JVC network cameras, including the VN-C20U, VN-C215V4U, VN-C215VP4U, VN-625U and VN-4E.

DHL chose the total-IP solution over an analogue camera system, as it made life much simpler for them. They liked the great image quality they were able to achieve on single frames too, while the reliability of the JVC cameras was essential for the 24/7 operation needed at such a busy company. ■

The project took about six months from the start, including time for an extension to add extra cameras. There were also issues to consider due to the high security levels needed (classification TAPA-A).



VN-X35U



Milestone

Live surveillance video integration via iPhone/iPod

JVC demonstrated instant integration with a key iPhone/iPod touch mobile video application developer and the versatile convenience of its video surveillance products at the Milestone Integration Platform Symposium (MIPS 2009) held earlier this year in Las Vegas. JVC crowned its presence at the symposium by capturing the prestigious MIPS Manufacturer of the Year award for their line of embedded network video recorders (NVRs), the VR-N1600U and VR-N900U, and complete line of IP network cameras.



Milestone MIPS is the annual forum for open architecture IP video surveillance advocates to evaluate the state of the IP video surveillance industry and demonstrate plug and play applications. JVC is a founding partner in the MIPS forum having participated in every one since inception four years ago.

Together with Lextech Labs, developer of the mobile video surveillance application iRa Pro for iPhone and iPod touch, JVC demonstrated that seamless integration with their widely popular 16-channel VR-N1600U and 9-channel VR-N900U Network Video Recorders is easily achieved through the open architecture API.

In a demonstration on the MIPS show floor, JVC allowed Lextech Labs to log in to one of its VR-N1600U recorders by simply entering a URL into its iRa Pro application on an iPhone. Using the familiar touch interface, the iPhone

immediately accessed the video and the group watched as the surveillance cameras located on the opposite coast were controlled remotely. The Lextech software indicates whether the camera is PTZ or static and allows direct control of camera positioning with exceptional video quality and minimal lag.

"It was great to work with the JVC team at MIPS and get hands-on with their technology. The integration between iRa Pro and the JVC DNS was quick, simple, and a true testament to the quality of each of our products," said Alex Bratton, President & CEO, Lextech Labs.

The ability to achieve instant integration with JVC's embedded Milestone NVRs combined with user-friendly mobile functionality is tremendous news for JVC's customers, who can now access and control their surveillance solutions in the palm of their hands from anywhere. ■

News in brief

Latest product information and system compatibility

Zetron now offers a range of state-of-the-art video and audio control room surveillance products.

Zetron is owned by audio manufacturer, Kenwood Corporation of Japan. In 2008, the management of JVC and Kenwood was integrated into a joint holding company, JVC KENWOOD Holdings, Inc. Today, the company as a whole now offers all three elements: video surveillance, mobile communications and control room systems, perfect for integrated surveillance applications such as public safety, transportation and facilities management. ■



JVC's Network Video Recorders (NVRs) are compatible with the new NG Systems X3100 USB joystick controller, specifically designed for IP video surveillance systems.

The X3100 features a sturdy, 3-axis, industry standard joystick and 21 user-defined push buttons, ergonomically arranged for video applications. The joystick, powered directly from the PC's USB port, features a highly-stable base for single-handed operation and is directly compatible with JVC's NVR range. ■

GarrettCom, leaders in network products for harsh and outdoor environments, have developed switches compliant with JVC's IP cameras and surveillance products.

JVC tested and certified that GarrettCom's PES42P industrial Power over Ethernet switches with IPS42 fully comply with the JVC PoE camera range. By using a PoE switch and camera you can reap the benefits of low installation costs and the ability to view and record Megapixel video over an IP network. ■





Installation piece

Woking Council secures local museum and gallery

JVC has provided The Lightbox, a museum and gallery based in Woking, with fourteen TK-C215V4E cameras, to improve surveillance and security within the borough.



The Lightbox, which opened in 2007, will be exhibiting a selection of Leonardo Da Vinci's work between 4th August and 1st November. Marilyn Scott, Director of the museum, reveals why the installation of JVC cameras is so important to the exhibition.

"This will be the exhibition's first showing in the UK that will include large scale models of Leonardo's inventions, ranging from aeroplanes and helicopters to diving suits and robots," Scott states. "JVC cameras provide us with a fantastic security system, which allows us to borrow priceless objects

such as the Leonardo notebook and make sure they remain secure."

The borough, which has used JVC cameras and equipment for the past ten years, installed the TK-C215V4E cameras because of their trust in the brand. "We opted for JVC equipment because of their quality, reliability, availability and JVC's wonderful customer service," comments Errol Moore, Security Projects Officer, Woking Council. "We're installing the CCTV surveillance to help reduce the public's fear of crime and to boost local tourism." ■

Wavesight

Wavesight, Europe's leading innovator in professional, video optimised wireless transmission technologies, has partnered with JVC Professional to deliver the industry-benchmark outdoor wireless-enabled PTZ network dome camera.

Integrated wireless PTZ dome

The WIR-686C dome camera is a 36x optical zoom dual stream network camera incorporating JVC's newly developed Direct Drive motor mechanism, which is identical to the VN-V686 but with the addition of the wireless feature. By integrating a wireless communications system within a CCTV camera, this fast

deployment solution eliminates the cost, delays and disruption associated with cable installations. ■



Stadium security

JVC network surveillance for Aurora Stadium, Tasmania

JVC Professional's Tasmanian dealer for security products, Electronic Display Systems Tasmania (EDS), has been a service provider to Aurora Stadium for over ten years, managing technical requirements and audio visual production during live events. Recently, when the stadium became an AFL venue and home to Hawthorn FC, EDS were asked to install an integrated sound and CCTV system in two stages.



"The IP based security system was stage two of the project and driven by the need to increase security in the venue when 23,000 AFL fans are moving around on match days," EDS General Manager, Derek Philipson, explained. "The crowd and their safety must be managed and carefully watched, especially by the entry gates."

After discussions with EDS, Launceston City Council (LCC) decided to install sixteen of the latest JVC IP cameras and a JVC 16-channel network recorder / remote viewer.

"JVC cameras were chosen for their IP configuration and 1 gigabit port which are not available on other brands," Philipson continued. "The stadium has a very good fibre backbone cable into every gate and critical building, thus it made sense to choose IP cameras. By placing 1 gigabit switches at every fibre terminating point, the installation of the JVC IP cameras couldn't have been easier. It was a simple case of plugging into the switches and the system was ready to go."

The 1 gigabit port on JVC CCTV cameras ensures a problem free and seamless installation, with high quality video and maximum speed back to the JVC 16-channel IP recorder. Aurora Stadium has two JVC PTZ cameras strategically



positioned inside the arena, fourteen cameras at the entrance and general public areas for gate management, crowd control and security in and around the venue during and after any event.

Philipson comments, "The client was delighted, especially when we showed them the capacity of the PTZs. The stadium has some potential problem areas about 300-400 metres away and in a general public walkway which people tend to congregate in at night. However, with the new CCTV system they can now easily be monitored. It is also very straightforward to select, operate and review footage of the recording. My opinion is that every new large building can and should be wired for an IP option camera system like the one at Aurora Stadium. That said, to be a successful system, the cameras have to be up to the job, which the JVCs consistently prove to be." ■

JVC truck tour

CCTV takes to the road

Now you have the chance to see the complete line-up of video security solutions from JVC Professional Europe Ltd., as their CCTV truck will soon be coming to a town near you.

The JVC CCTV Truck Tour 2009 will be visiting several locations all across Europe, arriving in the UK in July. The tour will offer professional advice, providing the opportunity to see high quality CCTV solutions in action onboard the vehicle. All the major CCTV components and accessories will be demonstrated fully

as part of the tour, including direct drive high-speed domes, Megapixel cameras, full-frame dual-stream IP cameras, and entire network systems. For more details, or to book the truck to come and visit your company directly, please visit www.jvc-cctv-tour.com or contact your nearest JVC office. ■



Network security.

Advanced IP technology from JVC - the system of choice.

Recognised for combining the latest security technology with the most advanced network features, JVC Professional has the tools to bring quality and reliability to your security systems.

From retail and commercial use, through to government, education, healthcare and transport, JVC offers a comprehensive range of IP systems, designed perfectly for the task in hand.

High resolution products include true Night/Day IP cameras, network video recorders and professional CRT and LCD monitors up to 52", each designed for 24/7 operation. And with durable casing and high quality construction throughout its product range, JVC delivers network security at the highest level.



For further information on our security technology and products, please call us on +44 20 8208 6205.

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