



rama IP camera, the *GV-FE110* is an H.264 1.3 megapixel 360 degree panorama IP camera with digital PTZ functionality without moving parts. The camera features privacy masking capability and can be configured in numerous ways depending on the application in focus. It can for example be used to monitor two 180 degree views as well as the standard 360 degree view. The *GV-FE110* supports MicroSD storage as well as microphone and speaker.



Vivotek's full range of 2 megapixel options will be on display.

• **Vivotek** from Taiwan, will be demonstrating the latest in their IP based surveillance solutions.

A recent development on display at IFSEC is the new Day&Night Fixed Network Camera *IP7161* which is a high-end 2-megapixel network camera with true day and night functions suited for wide, open spaces such as building entrances and airports, or applications requiring accurate identification of individuals, objects, and vehicle license plates.

With high-definition 2-megapixel (1600 x 1200) resolution, the *IP7161* can deliver clear and detailed images and provide coverage 6 times larger than a VGA camera. Its ePTZ function enables users to quickly move to a target area for close-up shots without moving the camera physically. In addition, multiple video streams can be delivered simultaneously in different resolutions, frame rates and image qualities for viewing on different platforms, so as to meet different needs or bandwidth constraints. The *IP7161*'s specification includes support for MPEG-4.

To consistently maintain good image quality during 24-hour surveillance, the *IP7161* comes with a built-in removable IR-cut filter to accept IR illumination and an auto-iris lens to adapt to frequent light changes. For safe and secure monitoring, the *IP7161* also supports tamper detection so that security staff can be alerted immediately if the camera is blocked,

redirected, defocused, or spray-painted. The exceptional activity adaptive streaming can optimise bandwidth usage by allowing for a low frame rate in normal monitoring and a high frame rate during event-triggered recording.

The *IP7161* includes other advanced features such as a C/CS-mount adjustment ring, SD/SDHC card on-board storage, 802.3af compliant PoE, two-way audio via SIP protocol, and HTTPS encrypted data transmission.

• **IndigoVision**, the Edinburgh-based manufacturer of complete end-to-end IP Security Management Systems will showcase their systems solutions for airports, city centres, retail, ports, mines, road and rail systems, education, banking, casinos, prisons, government and the military. These enterprise-class systems are claimed to improve organisations' operational efficiency, enhance public safety and enable timely emergency response. IndigoVision has extensive reference sites including 3 G8 summits, 8 rail networks, 31 airports and 4 Olympic Games. One of their newest developments is their IP video wall software, which makes it possible for a video wall to be constructed using Slave workstations, each of which manages up to 4 monitors. The video wall can be controlled over an IP network by an unlimited number of Master workstations. Large video walls are constructed using as many Slaves as necessary. The video wall is managed from Master Control Center workstations through a standard CCTV keyboard. The system can support multiple Masters and up to 98 Slaves giving a maximum video wall size of 9800 video panes.

• **AVerMedia Information** from Taiwan will highlight a recent introduction on their stand at IFSEC with the H.264 embedded *AVerDiGi IWH3216 Touch*, an embedded hybrid DVR that runs both Linux and Windows operating systems as well as added Intelligent Video functions that are capable of performing PTZ tracking. Features include Visual search, Noise reduction, Face Finder, Video Encryption, iPOS and iEnhance/iStable. In addition, *IWH3216 Touch* has incorpo-

rated the eco-friendly thermal design power-conservation Intel Processor, and a shining ocean-blue light, an attractive touch front panel and slick-look exterior that have attracted many inspiring comments.



VioStor NVR Solution from QNAP

• **QNAP Security** from Taiwan, a manufacturer of PC-less Network Video Recorders (NVR) will showcase the newest 4-drive and 6-drive VioStor NVR models which incorporate the Intel Atom D-510 dual-core processor to deliver high performance of maximum network throughput of 176 Mbps with low power consumption. The new VioStor NVR management software v3.2.0 which strengthens the event management by offering more event types such as motion detection, network disconnection, recording failure, user-defined events and handling actions (instant recording, automatic PTZ camera control, alarm input, email & SMS alert, buzzer, and user-defined action) will be introduced. QNAP will also demonstrate the entire line-up of the 1 to 8-drive VioStor NVR models and the latest Intel Atom D510 processor-based, VMware Ready business-class Turbo NAS (network-attached storage) models.



Axis Q6034 PTZ dome network camera.

• **Axis Communications** will display its new pan/tilt/zoom dome camera with outstanding mechanical performance, HDTV video quality and 18x optical zoom for indoor applications. The vendor claims that the *AXIS Q6034* PTZ Dome Network Camera, which has an IP52-rated protection against dust and dripping water, provides easy and reliable installation and is ideal for use in airports, train stations, casinos, stadiums and shopping malls.

Also on display on the stand will be the new cost-effective, easy-to-install indoor pan/tilt/zoom camera with 29x optical zoom and high-quality H.264 video in D1 resolution. This *AXIS P5532* PTZ Dome Network Camera has an IP51-rated protection against dust and dripping water. The *AXIS P5532* can deliver multiple, individually configurable H.264 and Motion JPEG video streams simultaneously. H.264 greatly optimises bandwidth and storage use without compromising image quality, while Motion JPEG is supported for increased flexibility.

Another new item on display on the Axis stand will be its top-of-the-line, 5-megapixel fixed network cameras with HDTV 1080p performance, precise iris control for optimal image clarity and H.264 compression. An *AXIS P1347* camera can cover a large area due to its high resolution and can take the place of several standard cameras. With narrower viewing angles, the camera can provide extremely good detail for identification purposes and for defining distant objects.

The launch of the *AXIS Q1910* and *AXIS Q1910-E* thermal network cameras will not go unnoticed at the exhibition. Although launched in January, this will be the first time that a large share of the global security market will witness first hand this major IP video surveillance product launch. The new cameras use thermal imaging, which allows users to detect people and incidents with great reliability even in complete darkness and other difficult conditions.

Thermal cameras create images based on the heat that always radiates from any object, vehicle or person. This gives thermal cameras the power to see through complete darkness and deliver images that allow operators to detect and act on suspicious activity. Thermal cameras can also handle many difficult weather conditions better than conventional cameras, e.g. allowing operators to see through haze, dust and smoke.

• **Hikvision Digital Technology** from China, a supplier of digital video surveillance products, will display its first embedded NVR solution – the *DS-7604NI-S* entry level four-channel NVR – at