SONY

SNT-EP154

A four channel blade type video surveillance encoder, utilising state of the art image transmission and enhancement technology.

Designed for use in applications requiring a totally scalable and space saving solution, the SNT-EP154 is a powerful, fully featured blade type video four channel video encoder delivering a range of unique capabilities.

The SNT-EP154 delivers a unique blade type four channel camera encoding concept delivering highly flexible system expansion possibilities with a range of rack mounting accessories. The SNT-EP154 adds significant value and performance to existing medium to large scale analogue systems where a highly scalable encoding solution is required.

Converting up to four traditional analogue video signals per blade into multiple digital video streams for transmission via IP-based networks, the SNT-EP154 offers unrivalled network flexibility.

The combination of powerful features and the enhancements makes the Sony SNT-EP154 encoder the obvious choice when migrating from existing analogue camera systems, to a powerful, flexible and scalable IP based monitoring solution.

What's more, this encoder comes with ONVIF (Open Network Video Interface Forum) compliance for easy interoperability with IP monitoring products from a variety of manufacturers.

1 year PrimeSupport is included as standard within the EU, Norway and Switzerland. This gives users access to an expert helpdesk and, in the unlikely event of a failure, will arrange for an advance replacement unit to be delivered within a target time of one working day. An additional 2 years support is also available as an option.

Features

The ultimate in scalable analogue to digital migration solutions from Sony

Sony's SNT-EP154 encoder and rack mounting accessories connect with existing analogue cameras to deliver flexible IP integration solutions. Crisp and clear CCTV images are available with Sony's advanced image processing technology. The SNT-EP154 offers a highly scalable systems solution with enhanced levels of security, even in the most challenging lighting conditions.

Highly flexible network capability

Enjoy exceptional operational flexibility using the ideal compression format for differing image and network types (JPEG for high quality still images; MPEG-4 and H.264 for clear, moving images over bandwidth-limited networks). Maximise network and storage resources by utilising simultaneous dual-encoding of any two formats, from JPEG, MPEG-4 and H.264.

Optimum image quality when using traditional analogue cameras

By using Sony's SNT-EP range of encoders users can benefit from unrivalled image quality. State of the art image enhancing technology, that only Sony can offer, delivers clearer, brighter and higher quality images.

Simple to install, easy to maintain

Intelligent IP and MAC support stores MAC address information to significantly reduce servicing and time and costs

ONVIF compliance offers the optimum in system flexibility

Compliance with ONVIF (Open Network Video Interface Forum) ensures interoperability and maximum flexibility between a wide range of manufacturers' network video products

Benefits

Enhanced performance and image quality in all conditions combines with D1 resolution support in a highly scalable encoding solution

Sony's unique XDNR (Excellent Dynamic Noise Reduction) and VE (Visibility Enhancer) and DFI (Dynamic Frame Integration) Technology come as standard features within the SNT-EP series of encoders. This unique image enhancing technology delivers superior noise free images in the most challenging conditions. By utilising Sony's SNT-EP series with XDNR, VE and DFI technology high quality D1 resolution support, analogue cameras can now deliver superior imaging performance

Triple codec operation

The SNT-EP series supports three compression formats: JPEG, the best choice of high-quality still images; MPEG-4, the format that provides clear moving images efficiently over limited-bandwidth networks; and H.264, the alternative for severely limited-bandwidth networks, providing twice the efficiency of MPEG-4. The camera can generate JPEG and MPEG-4 images simultaneously

Clear low-light images

XDNR (Excellent Dynamic Noise Reduction) technology virtually eliminates image blur in low-light conditions, enabling users to clearly capture images that have not been easy to portray in the past. It also overcomes the problems associated with many competitor camera models. What's more, when both XDNR and Visibility Enhancer are turned on, the cameras can achieve four times the sensitivity compared to when they are off. This technology is ideal for any outdoor surveillance monitoring, such as in a car park at night

Improved performance in challenging lighting conditions

VE (Visibility Enhancer) technology improves performance in challenging lighting conditions, for example high-contrast environments such as casinos and highways that had previously been difficult to monitor. The Visibility Enhancer's advanced system suppresses extreme whites and boosts dark areas in a scene simultaneously and dynamically, to produce clearer images on the screen.

Improved performance from dynamic scenes

DFI (Dynamic Frame Integration) technology produces superior images from scenes containing both still and moving objects. DFI technology detects moving objects and reduces motion blur, simultaneously detecting stationary objects and reducing jagged edges. DFI delivers an optimised image with superior clarity and can be added to any analogue system by utilising Sony's SNT-EP series.

Highly scalable systems solution

The Sony SNT-EP154 encoders are complimented by a range of blade mounting accessories. Comprising of 1U and 3U rack options the encoding system can be expanded by adding SNT-EP154 blades to accommodate up to 16 or 48 analogue channels respectively

Flexible streaming support

Video can be stored on optional USB memory media and then streamed using RTP/RTCP or RTSP protocols. This function is available with s/w version 1.1 or later.

Flexible recording and storage solutions

External storage is also possible using USB flash memory. Continuous, pre and post event video may stored in compressed format for later retrieval.

ONVIF Compliant

The ONVIF (Open Network Video Interface Forum) defines a common protocol for the exchange of information between network video devices including automatic device discovery, video streaming and intelligence metadata. Allows interoperability between network video devices. By utilising Sony SNT-EP encoders, analogue systems can fully benefit from full ONVIF interoperability.

Technical Specifications

Encoder Features

Visibility Enhancer	Yes
XDNR	Yes

Coaxitron control	No

Interface

Analog Ethernet	X4

Image

Codec image size (HxV)	D1 (NTSC: 720 x 480, PAL: 720 x 576), VGA (640 x 480), CIF (384 x 288), QVGA (320 x 240)
Video compression format	H.264, MPEG-4, JPEG
Maximum frame rate	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480, PAL: 720 x 576)

Audio

Audio compression	G.711/G.726

Scene analytics

Intelligent Motion Detection	No
Motion detection	Yes
Advanced audio detection	No

Network

Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS,NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
Number of clients	10
Authentication	IEEE802.1x
Number of IP/Mac address	X4

General

Mass	Approx. 0.4 kg (14 oz)
Dimensions (WxHxD)	78 × 34 × 382 mm (3 1/8 × 1 3/8 × 15 1/8 inches)
Power requirements	From Rack Station
Power consumption	12W max.
Operation temperature	0 to 45 °C
Storage temperature	-20 to 60°C

System requirements

Operating system	Microsoft Windows XP, Windows Vista
Processor	Intel® Core™ 2 Duo, 1.8GHz or higher
Memory	1GB or more
Web browser	Microsoft Internet Explorer Ver.6.0, Ver.7.0