SONY

SNT-EP104

A basic four channel stand-alone video surveillance encoder, utilising state of the art image transmission and enhancement technology.

Краткие сведения

Designed for use in applications requiring up to four analogue channels, the SNT-EP104 is a powerful, fully featured video encoder delivering a range of unique capabilities.

The SNT-EP104 delivers a unique four channel stand-alone camera encoding concept, which adds significant value and performance to existing small to medium-sized analogue systems.

Converting up to four traditional analogue video signals into multiple digital video streams for transmission via IP-based networks, the SNT-EP104 encoder offers unrivalled network flexibility. Sony's unique XDNR (Excellent Dynamic Noise Reduction) is also included within this encoder, together with VE (Visibility Enhancer) technology.

The combination of these powerful features and enhancements make the Sony SNT-EP series the obvious choice when migrating from an existing analogue camera system, to an IP based monitoring solution.

What's more, the SNT-EP104 comes with ONVIF (Open Network Video Interface Forum) compliance for easy interoperability with IP monitoring products from a variety of manufacturers.

- **Enhanced performance and image quality in all conditions combined with D1 resolution support for up to four analogue cameras**

  Sony's unique XDNR (Excellent Dynamic Noise Reduction), 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

- **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.

- **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 be stored in a compressed format for later retrieval.

- **Support for IPv6**

  The SNT-EP series supports Internet Protocol Version 6 (IPv6).

- **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.

Свойства

- **Four channel stand-alone analogue to digital migration solution**

  Sony's SNT-EP104 encoders connect with up to four 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-EP104 offers 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

- **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 offers, will deliver clearer, brighter and higher quality images.

- **Simple to install, easy to maintain**

  Intelligent IP and MAC support for up to four address simplifies installation and reduces 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

Технические характеристики

Camera Features	
Tone Correction	VE (VE)
Noise Reduction	XDNR

Video Server Features	
Coaxitron Control	No

Video	
Resolution	720 x 576, 720 x 470, 640 x 480, 384 x 288, 320 x 240
Compression Format	H.264, MPEG-4, JPEG
Maximum Frame Rate	30 fps
Multi Streaming Capability	Dual streaming
Number of Clients	10

Intelligent Video/Audio Analytics	
Intelligent Motion Detection	Yes
Advanced Audio Detection	No

Audio	
Compression Format	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 IP Address/Mac ADDRESS	4
Wireless Network	No
Authentication	IEEE 802.1x

Interface	
Analog Video Input	x4
Composite Buffered Through Out	No
Microphone Input	No
Audio Interface (IN/OUT)	No
Line Output	No
Network Port	10BASE-T/100BASE-TX (RJ-45)
Alarm Input (Sensor Input)	No
Alarm Output	No
Serial Interface	No
USB Slots	No

General	
Power Requirements	DC 12 V
Power Consumption	12 W max.
Operating Temperature	+32°F to 113°F
Operating Temperature	0? to +45?
Storage Temperature	-20? to +60?
Storage Temperature	-4°F to +140°F
Dimensions (W x H x D)[[F_YX0001]]	210 x 44 x 250 mm
Dimensions (W x H x D)[[F_YX0001]]	8 3/8 x 1 3/4 x 9 7/8 inches
Mass	Approx. 1.3 kg
Mass	Approx. 2 lb 14 oz