

EVE-4X4-V2

16-ch video encoder, dual st., H.264/MJPEG, 960H, PSU, 1U 19"

DESCRIPTION

EVE 4x4 is a modular 16-channel video encoder offering high-quality video streaming performance for many video surveillance applications and CCTV. It is based on 4x four channel blades fitted into a single 1HU 19-inch rack, each with one Ethernet port to the network. The encoder provides two internally switched GBE ports for flexibility. EVE 4x4 provides dual streaming per camera in full frame rate at best-quality H.264 high profile. With 16 channels in a rack-mountable 1HU form factor, EVE 4x4 offers the highest port density at this quality of video.

FEATURES

Modular 4x four-channel H.264 encoder

Click & Go: works out of the box

High resolution: 960H support (960x576 px)

Advanced picture enhancements

Image quality monitoring

Tamper detection

Edge storage on SDHC card (4x)

ONVIF Profile S

4x 4 Audio in; 4x 1 audio out

4x 8 Digital I/O



Video	
Video channels	16x CVBS (960H), PAL/NTSC autodetect
Input level	1 Vpp (+/- 3 dB) @ 75
Video compression	MJPEG, H.264 HP (ISO/IEC 14496-10)
Encoding latency	
Resolution	960H, D1, 1/2 D1, 4CIF, 2CIF, CIF, QCIF, VGA, QVGA
Frame rate	1 to 30 fps
GOP structure	I, IP
Dual streaming	2x Full frame rate at D1 resolution
Output data rate	56 kb/s up to 6 Mb/s (per input)
Video overlay	2x Text lines (fully configurable)
Connector type	BNC (with gold-plated centre pin)

Video enhancement	
Deinterlacing	Motion Adaptive Deinterlacing (M.A.D.)
Noise filter	3D Adaptive noise reduction
Image enhancement	Adjust contrast, brightness, saturation, hue, and sharpness; fog correction

Video analytics per input	
Video motion detection	Based on movement detection in free-drawn ROI
Image quality monitor	Monitors focus, exposure, contrast, and noise
Tamper detection	Blocked or moved field of view

Audio	
Audio in	4x4 channels in (line level) or 2 channels line level and 2 channels mic level (with bias)
Audio out	4x 1 channel out (line level)
Interface	G.711 (U-law or A-law selectable)

Data / PTZ	
PTZ channels / Serial data	4x
Interface	RS-485 (2-wire) half-duplex; RS-422 simplex
PTZ protocols	Pelco P, Pelco D, Bosch, Vicon, Samsung, Panasonic, etc.
Serial interface	TCP/IP
Data rate	300 b/s to 115.2 kb/s

Digital I/O	
Number of I/O channels	4x 8 Digital I/O
Output mode	Open collector, 24 V, 2 A max DC
Input mode	Internal pull-up 3.3 V, 2.2 k threshold 1.2 V
Connector type	Spring clamp plug

Management	
LED status indicator	Power on and operational
Network management and control	TKH Security Solutions OSA, ONVIF Profile S

Specs



Management

Security HTTPS, three-level user access, digest authentication

Environmental

Operating temperature 0 °C to +50 °C (+32 °F to +122 °F)

Relative humidity

MTBF (Mean Time Between Failures) >200,000 hours

Safety and EMC EN50155, EN50121-3-2, conform CE regulations

Vibration and shock EN50155, EN61373

EVE 4x4-R Extension rack

Expansion slots 4x for EVE 4x4-B

Ethernet connection 2x RJ-45, 100/1000 Mbps autosensing

Power 110 to 240 Vac, 50/60 Hz external power supply

Power consumption

Dimensions

Height 44.45 mm (1 rack unit)

Width 447 mm (19" rack without mounting ears)

Depth 200 mm (+ 15 mm with inserted blades)

Ordering Info

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RELATED



TKHSecuritySolutions EVE-ONE-V1
1-ch video encoder, dual stream, H.264/MJPEG, 960H



TKHSecuritySolutions
16-ch video encoder, dual st., H.264/MJPEG, 960H, PSU,1U 19"



TKHSecuritySolutions EVE-FOUR-V1
4-ch video encoder, dual stream, H.264/MJPEG, 960H



TKHSecuritySolutions EVE-FOUR-PoE-V1
4-ch video encoder, dual stream, H.264/MJPEG, 960H, PoE
