

# EVE-FOUR-V1

4-ch video encoder, dual stream, H.264/MJPEG, 960H

## DESCRIPTION

The EVE FOUR makes the migration to an IP-based video network affordable by using the already existing and operational analogue cameras. By combining advanced picture enhancement, efficient H.264 encoding at full frame rate, and the highest resolution possible (960H), the EVE series encoders deliver the sharpest detail and the best clarity and picture quality at the lowest bit rates. The EVE FOUR is fully compatible with the VDG Sense video management system (VMS) and, by utilising the strength of ONVIF, with all other major video management systems.

## FEATURES

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Four-channel H.264 video encoder

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Click & Go compact DIN rail mounting

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High resolution: 960H support (960x576 px)

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Advanced picture enhancements

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Image quality monitoring

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Tamper detection

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Edge storage on SDHC card

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ONVIF Profile S

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8x Digital I/O

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4x Audio in, 1x Audio out

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

Data / PTZ	
PTZ channels / Serial data	1x
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	8x 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

## Transmission interface

Number of interfaces 1x RJ-45

Interface 10/100/1000Base-TX, autonegotiation

Protocols IPv4, IPv6 ready, H.264 HP, H.264 MP, (M)JPEG, RTP, RTSP, RTCP, TLS(SSL), DHCP, DNS, IGMPv2, NT

## Powering

Input voltage 9-15 Vdc

Power consumption 6 W

## 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 IEC/EN 60950-1, IEC/EN 61000-6-3, IEC/EN 61000-6-2, EN 55022, FCC part 15

## Mechanical

Dimensions (h x w x d) 120 x 40 x 94 mm

Weight 360 g

Mounting DIN rail or supplied bracket

## Ordering Info

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





## RELATED

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

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**TKHSecuritySolutions**  
4-ch video encoder, dual stream, H.264/MJPEG, 960H

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

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**TKHSecuritySolutions EVE-4X4-V2**  
16-ch video encoder, dual st., H.264/MJPEG, 960H, PSU, 1U 19"

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