



Digital Barriers

WIRELESS SURVEILLANCE EDGEVIS HD-IP250

ONE-CHANNEL REAL-TIME SURVEILLANCE STREAMING AND NVR

The HD-IP250 video streaming and archiving unit delivers usable video and stereo audio over a range of bearers, including low/variable bandwidth networks.

With its unique TVI technology and IP camera interoperability, the HD-IP250 offers an exceptional combination of real-time streaming performance and recording.

Not all wireless video solutions are created equal

The EdgeVis surveillance distribution platform is a world-class solution for streaming and accessing video over low or variable bandwidth networks. In comparison to other video-encoding technologies, such as H.264 or MPEG, TVI provides a higher quality, lower latency and resilient approach to real-time video and audio transmission. TVI combines a proprietary video codec and an ultra-efficient, adaptive approach to managing the underlying communications bearer. This results in far more reliable and cost-effective real-time video.

The HD-IP250 is a compact unit combining a one-channel NVR with remote streaming of real-time and archived video, bringing the flexibility of IP cameras and edge recording to the powerful Edgevis platform. It is designed to work with leading IP camera brands, including Axis, Bosch, Panasonic and Sony. With its ability to use a range of network bearers, from Mesh Radio to 4G LTE, the HD-IP250 delivers 'surveillance anywhere'.

Practical operational benefits

From its origins in mission-critical surveillance, EdgeVis is now the proven platform of choice for a range of surveillance applications – from tactical and mobile operations to rapid deployment cameras and video surveillance as a service (VSaaS) installations. It was developed from the outset to provide seamless access to video and audio from almost any location – and distribute to control rooms as well as mobile devices. Its ability to exploit cellular, Wi-Fi and wired networks means cameras can be deployed quickly without the need for specialist infrastructure.

By combining local recording, remote access and video from IP cameras, the HD-IP250 presents the operator with a real-time surveillance picture – and the ability to access enhanced resolution imagery as situations require. This includes real-time and locally archived footage as well as individual frames of interest. The EdgeVis platform also offers an exceptional level of control over network utilisation, with the ability to set maximum bandwidth remotely.

Product codes

HD-IP250 One-channel, real-time streaming unit with one-channel, local recording

Key features

- Supports one IP camera with simultaneous local archiving and real-time streaming
- Ultra-resilient, real-time video and audio streaming over low or variable bandwidths (9Kbps to 2Mbps)
- Local NVR recording in H.264 format to a max resolution of 1080p at 25/30 fps
- Supports standard USB External HDD/SSD disks for one-channel recording with Fragile Watermarking (approx. 30 days recording at 10 fps / 3mbps with a 1TB SSD)
- Supports external USB/LAN cellular modems for multi-network wireless connectivity
- Supports USB Wi-Fi adapters for video transmission or local Wi-Fi video download of original recordings.
- Simple web-based configuration of cameras and NVR with remote control of streaming/recording settings
- Can generate alarms and trigger recording using industry-leading video analytics (optional extra)

Operational domains

EdgeVis Live is deployed by organisations in the law enforcement, military and transportation domains, as well as by those responsible for securing public spaces. With its variety of hardware and software devices, TVI technology is ideal for use in a range of static and dynamic operating scenarios:

- Mobile surveillance operations
- Rapid deployment cameras or network expansion
- Reducing cellular data costs on remote cameras



HD-IP250 is designed around the class-leading EdgeVis platform for assured, operationally effective surveillance distribution

**SAFER.
STRONGER.
MORE SECURE.**

TECHNICAL SPECIFICATIONS EDGEVIS HD-IP250

UK.D.026 V080917
HD-IP250

Video Streaming

Streaming Performance:	One camera, streaming up to 1080p at 10fps, 720p at 20fps, D1 at 30fps
Streaming Connection:	Reliable, secure (AES-256) video transmission from 9Kbps to 2Mbps
High-resolution Image Retrieval:	Up to 1080p over user-definable areas via high quality JPEG

Alarms

Video Analytics:	1-channel, sterile-zone video analytics provided by SafeZone-2D (optional extra)
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Recording

Recording performance:	One channel at 1080p at 25/30fps in H.264 format
Security:	Recordings are secured with AES-128 encryption and Fragile Digital Watermarking
Storage Medium:	External USB 2.5" HDD/SSD drive (not supplied)
Typical recording duration:	Approx. 30 days on 1TB SSD recording at 10fps at 3Mbps

Connectivity

Cellular:	Supports USB Feeney Wireless modems* and LAN-based modems (e.g. AirLink GX440)
Wi-Fi:	Supported, using 802.11 b/g/n USB module (not included)
LAN:	Supports transmission over LAN, ADSL, SatCom or Mesh Network

Camera Inputs

Video Input Format:	1-channel video input H.264 up to 1080p resolution up to 30 fps
Audio Input Format:	Via IP camera – dependent on camera models chosen
PTZ Connectivity:	Via IP camera – dependent on camera models chosen
Camera Interoperability:	Broad compatibility with Axis, Bosch, Canon, Panasonic and other standards-based H.264 Profile S cameras

Physical Connectors

LAN Input:	1 x RJ45 with Class 0 PoE (15.4W IEEE 802.3af), 1 x standard RJ45
Power (DC Input):	1 x 2.5mm 12V DC screw-locked socket
USB Ports:	2 x USB 2.0 Type A, 1 x USB 3.0 Type A
Monitor Output:	1 x Mini DisplayPort (supports DVI/HDMI)

Physical Characteristics

Physical Size:	L 150mm x W 65mm x D 45mm (L 5.91" x W 2.56" x H 1.77")
Operating Temp/Humidity:	-20°C to 60°C (-4°F to 140°F) 10% to 98% relative humidity
Weight:	520g (1.15 pounds)
Input Voltage Range:	9-18V DC (power supply included)
Power Consumption:	14W max (at 12V), 10W idle operation, excluding PoE camera load
Enclosure:	IP30 heat-dissipating aluminium design

Software Architecture

Video Distribution:	EdgeVis Server provides multi-viewer video distribution, using a granular user-permission system
EdgeVis Viewers Supported:	EdgeVis Client (iOS, Android, Windows). Control Center and TVI Viewer operate in compatibility mode
Third-party VMS Integration:	Integration into VMS provided via VMS Gateway or native integration (e.g. Milestone, Airship)

Regulatory Approvals

CE/FCC:	47CFR:2011 Part 15, Sub Part B
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* Please check with Digital Barriers for a list of supported Feeney Wireless modems E&OE. Specifications subject to change without notice.



Contact Digital Barriers or your local reseller for further details on our solutions

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