



Digital Barriers

# WIRELESS SURVEILLANCE EDGEVIS HD-IP150

## TWO-CHANNEL REAL-TIME SURVEILLANCE STREAMING AND NVR

The HD-IP150 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-IP150 offers an exceptional combination of real-time streaming performance and recording.

### Not all wireless video solutions are created equal

The EdgeVis Live 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 technology 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-IP150 is a compact unit combining a two-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 and Canon. With its ability to use a range of network bearers, from an inbuilt 4G LTE modem to Mesh Radio, HD-IP150 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 makes it possible to deploy cameras quickly without the need for specialist infrastructure.

By combining local recording, remote access and video from IP cameras, the HD-IP150 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-IP150 One-channel real-time streaming unit with two-channel local recording

### Key features

- Supports two IP camera simultaneous local archiving and one channel 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
- Built-in HDD/SDD two-channel recording with Fragile Watermarking for secure and resilient local archiving (approx. 15 days on 1TB SSD recording at 10fps / 3mbps)
- Built-in 4G/LTE cellular modem and optional USB Wi-Fi adapter for wireless connectivity
- Vibration resistant wire-free internal design and heat-dissipating fanless enclosure for resilient operation
- 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 range of hardware and software devices, TVI technology is ideal for use in a variety of static and dynamic operating scenarios:

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

Vibration resistant with fanless design and a compact enclosure, measuring just 198mm x 145mm x 42mm



HD-IP150 is designed around the class-leading EdgeVis platform for assured, operationally effective surveillance distribution

# TECHNICAL SPECIFICATIONS EDGEVIS HD-IP150

UK.D.025 V080917  
HD-IP150

## 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:	Up to a maximum of two channels at 1080p at 25/30fps in H.264 format
Security:	Recordings are secured with AES-256 encryption and Fragile Digital Watermarking
Storage Medium:	Internal 2.5" HDD/SSD drive (removable via bottom panel) or external USB Disk
Typical recording duration:	Approx. 15 days on 1TB SSD recording at 10fps at 3Mbps for two cameras

## Connectivity

Cellular:	Built-in 4G/LTE module
Wi-Fi:	Supports 802.11 b/g/n USB module (not included)
LAN:	Supports transmission over LAN, ADSL, SatCom or Mesh Network
GPS:	Built-in GPS module

## Camera Inputs

Video Input Format:	2-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:	2 x RJ45 – IP Cameras will require Power-over-Ethernet injector or direct camera power
Cellular Antenna:	2 x SMA 75Ω antennas (3G/4G and MiMo)
GPS Antenna:	1 x SMA 75Ω antenna
Cellular SIM:	1 x standard SIM carrier, network agnostic (accessed via bottom panel)
Power (DC Input):	1 x 2-pin 12V DC screw-locked socket
Power (Remote On/Off):	1 x 2-pin terminal block switch
USB Ports:	2 x USB 2.0 Type A, 1 x USB 3.0 Type A
Monitor Output:	1 x HDMI, 1 x VGA (for accessing local configuration menu e.g. software upgrades)

## Physical Characteristics

Physical Size:	L 198mm x W 145mm x H 42mm (L 7.8" x W 5.71" x H 1.65")
Operating Temp/Humidity:	0°C to +55°C (32°F to 131°F) 10% to 98% relative humidity
Weight:	1.2kg (2.73 pounds)
Input Voltage Range:	12V DC (+/- 5%) (power supply included)
Power Consumption:	18W max (at 12V), 13W idle operation
Enclosure:	IP40 heat-dissipating fan-less 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
E&OE.	Specifications subject to change without notice.



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