

WIRELESS SURVEILLANCE EDGEVIS HD-IP200

ONE-CHANNEL REAL-TIME SURVEILLANCE STREAMING AND NVR

The HD-IP200 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-IP200 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-IP200 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-IP200 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-IP200 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

A-01-1301-0001 Cellular ROW/Wi-Fi variant
A-01-1302-0002 Cellular APAC/Wi-Fi variant

Key features

- Supports one 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
- 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)
- Built-in 4G/LTE cellular modem and supplied USB Wi-Fi adapter for wireless connectivity
- 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



**SAFER.
STRONGER.
MORE SECURE.**

TECHNICAL SPECIFICATIONS EDGVIS HD-IP200

VIDEO STREAMING	Streaming Performance	One camera, streaming up to 1080p at 10fps, 720p at 15fps, 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)
RECORDING	Recording Performance	One channel at 1080p at 25/30fps in H.264 format
	Security	Recordings are secured with AES-256 encryption and Fragile Digital Watermarking
	Storage Medium	External USB 2.5" HDD/SSD drive (not supplied, max 2TB)
	Typical Recording Duration:	Approx. 30 days on 1TB SSD recording at 10fps at 3Mbps
CONNECTIVITY	Cellular	Built-in 4G/LTE module (MC7430/MC7455, depending on region)
	Wi-Fi	Supported, using 802.11 b/g/n USB module (included)
	LAN	Supports transmission over LAN, ADSL, SatCom or Mesh Network
	GPS	Built -in GPS module
CAMERA INPUTS	Camera Inputs	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
	Power (DC Input)	1 x 2.5mm 12V DC socket
	USB Ports	2 x USB 3.0 Type A
	Cellular Antenna	2 x SMA 75Ω antennas (3G/4G and MiMo)
	GPS Antenna	1 x SMA 75Ω antenna
	Cellular SIM	1 x micro-SIM carrier, network agnostic (accessed via front panel)
PHYSICAL CHARACTERISTICS	Physical Size	L 129mm x W 78mm x D 34mm (L 5.08" x W 3.07" x H 1.34")
	Operating Temp/Humidity	0°C to 50°C (32°F to 122°F) 10% to 98% relative humidity
	Weight	475g (1.1 pounds)
	Input Voltage Range	12V DC (power supply included)
	Power Consumption	12W max
	Enclosure	IP40 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). EdgeVis Local Viewer (Windows)
	Third-party VMS Integration	Integration into VMS provided via VMS Gateway or native integration (e.g. Milestone, Airship)
REGULATORY APPROVALS	Safety	EN60950-1:2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013
	EMC	EN55032:2015, EN55024:2010 + A1:2015, EN61000-3-2: 2014, EN61000-3-3: 2013
	FCC	47CFR:2011 Part 15, Sub Part B and CISPR PUB. 22

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