



Digital Barriers

Revolutionary Wireless Surveillance Equipment



Rapid deployment of CCTV Cameras

Unique EdgeVis Live Streaming Technology

Cost Effective

Vandal Resistant Design

UNIPART
RAIL

SERVING THE WORLD'S RAILWAYS

Unlocking the flexibility of wireless surveillance

EdgeVis Live

The installation of wired surveillance cameras and equipment is an expensive and time consuming process, particularly in remote locations.

Wireless surveillance provides an alternative solution to this problem, offering rapid deployment that works even in remote locations, alongside efficient and cost effective use of cellular networks.

The EdgeVis Live from Digital Barriers is a revolutionary and unique surveillance solution, providing efficient transmission of video over constrained or variable bandwidth networks. Unlike conventional technologies, EdgeVis Live is specifically designed to address the issues associated with sending video over such networks.

Key Features

- Unique EdgeVis Live wireless transmission for efficient real-time viewing and archive retrieval
- Efficient and rapid deployment
- Real time streaming of video with zero delay, even over bandwidth constrained networks
- Complete control over bandwidth utilisation and costs
- Up to 1 TB of onboard storage with remote retrieval option
- Mobile access to real-time surveillance on standard handsets/tablets
- Enhance mode which allows retrieval of critical details in high definition

Operational Benefits

EdgeVis Live Technology is designed around a server centric architecture in order to overcome the challenges faced when distributing real-time video in low or variable bandwidth environments including cellular networks.

Multiple cameras can be deployed to stream real-time video over cellular or WiFi communications bearers.

Benefits include:

- A variety of tools and enterprise management features, provide the user with complete control over the camera, footage, user access and cost
- The units can be quickly installed onto existing street furniture or dedicated mountings
- Monitoring mode minimises the cost of real-time streaming
- Multiple flexible mode options including 'eyes on', 'interrogate' and 'enhance'
- When using a cellular or WiFi connection, the only wired connection required is a power supply



SD-Q600 EdgeVis Live
Cat No. 0054/563484

EdgeVis Live Technical Specifications

Hardware	
Physical Size	387mm (height) x 160mm (diameter)
Weight	6kg approx. (max)
Input Voltage	Mains operated 90-240V AC
Cameras	1 x PTZ day/night dome camera
Storage	Internal SSD + 2 x SDXC slots
Enclosure	Purpose-built, universal mountings for simple deployment
Environment	-20°C to +50°C, IP66 rated
Antennas	4G cellular, GPS, WiFi
Connections	Power, audio, Ethernet (for setup)
Regulatory	CE('EN6095061,'EN55022,'EN55024') FCC('47CFR:'2011'Part'15,'Sub'Part'B)

Camera and Recording	
Sensor	Vista VPL76-WP-SM 360° PTZ dome
CCD	1/4"Sony Super HAD II CCD (960H)
Pixels	Total: 1028 (H) x 596 (V) Effective: 976 (H) x 583 (V)
Min. Illumination	0.1Lux (colour), 0.01Lux (mono)
PTZ Speed	40°/sec (slow), 90°/sec (normal), 380°/sec (turbo), 380°/sec (presets)
Zoom	22:1 optical and 16x digital
Storage	Up to 1TB (512GB SSD, 2 x 256 GB SDXC) (256GB/512GB drives are factory fitted options)
Recording	Up to a maximum of 720 x 576 (D1) at 25/30 fps in H.264 format

EdgeVis Live requires hardware, sever and viewing licenses depending on requirements. These are detailed below.

EdgeVis Server

The EdgeVis Server maintains 'light touch' comms with EdgeVis Live units to monitor available bandwidth in real time, manage settings, manage, encryption and stream video to mobile viewers.

Recommended System: 2GHz Quad Core processor, Windows Server 2008 or Linux preferred, 8GB RAM, Oracle Java JRE 1.6.0 or later

Connectivity: Internet with sufficient bandwidth

EdgeVis Viewer - for mobile devices

H300 (for Android)

The codec is optimised to support dual core ARMv & CPUs. Automatic network profile detection is for HSPA+, CDMA, LTE.

Android OS: Android 2.1 and above (Android 2.3 for accessing multiple cameras)

Security: AES 256 encryption

EdgeVis ONVIF Gateway

The EdgeVis ONVIF Gateway provides real-time transcoding directly into third-party video management systems. The number of streams on a single instance is determined by hardware.

Recommended System: 2GHz Quad Core i7 processor, Windows 7, 8GB RAM

Connectivity: Internet with sufficient bandwidth

H300 (for iOS)

Automatic network profile detection for HSPA+, CDMA, LTE.

iOS Version: 4.3 and above

Devices: iPhone 3GS/4/4S/5, iPad 2, iPad 3

Security: AES 256 encryption

EDGE VIS™ Live
Powered by TVI

Video Transmission Equipment Range

In addition to the EdgeVis Live, Unipart Rail offers the full range of video transmission equipment from Digital Barriers, which is used on CCTV equipment at stations and Level Crossings. All products are Network Rail approved - PA05/03871 and PA05/03850 (XNET OPT Range).

Catalogue Number	Description
0086/007203	X-Net OPT1 - 1ch Tx, Video + Alarms + Data + Audio
0086/007204	X-Net OPT1 - 1ch Rx, Video + Alarms + Data + Audio
0086/007205	X-Net OPT2 - 2ch Rx, Video + Alarms + Data
0086/007206	X-Net OPT1 - 1ch Tx, Video + Alarms + Data
0086/007209	X-Net Rack Network Management System module
0086/024208	X-Net Module Box Housing Kit - Single Unit
0086/007214	X-Net Module Box Housing Kit - Double Unit
0086/024201	X-Net CODEC 102 - 1ch H.264 Encoder
0086/024202	X-Net CODEC - 2ch H.264 Encoder
0086/024203	X-Net CODEC - 4ch H.264 Encoder
0086/024204	X-Net CODEC - 1ch H.264 Video Decoder
0086/024205	X-Net CODEC 200D - 2ch H.264 Video Decoder
0086/024206	X-Net 4U 19" Rack
0086/024207	X-Net Rack Power Supply Module 240V AC Version
0086/024209	Stand alone 12VDC/1.25 amp output power supply
0086/024213	X-Net Rack 6HP blanking panel.



For more information about the Digital Barriers range, contact us on 01270 847 600 or at enquiries@unipartrail.com

About Unipart

The Unipart Group is a leading UK manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, including automotive, manufacturing, mobile telecoms, rail, retail and technology, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

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