

# VideoSphere EDGE

The **VideoSphere™** family of **Edge** encoders and decoders integrates analog video cameras into an IP network, and manages the decoding and display of all video streams. The units enable organizations to leverage existing investments in cameras and cabling and migrate to all-IP video networking cost-effectively.

The Edge encoders work in concert with VideoSphere Video Management System (VMS) software running on industry-standard servers to archive all video, audio and data evidence. The architecture enables easy deployment of advanced video analytics and other industry-specific business intelligence applications.

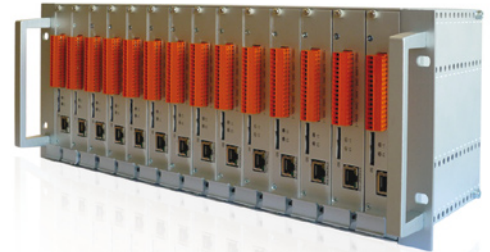
## REDUCED TOTAL COST OF OWNERSHIP

VideoSphere encoders use H.264 or MPEG-4 compression to consolidate and convert video from analog cameras onto a standard IP network. Organizations with large facilities can deploy VideoSphere Edge encoders to leverage cost-effective analog technology, and to replace lengthy coaxial cable runs with a single network connection, saving an organization as much as

30 percent in labor and cabling costs. VideoSphere Edge Blade encoders support a fully scalable, centralized solution for IP video networking in high-density analog camera environments utilizing any existing cable infrastructure.

## OPERATIONS CONTROL CENTERS

The Decode Station is used together with VideoSphere SiteManager software to decode and control the display of up to 64 video streams, and is ideally suited to operations control centers. The decoder automatically requests adaptive video streams from any VideoSphere encoder or VMS, dependent on the network bandwidth available, and provides a robust solution that retains its settings and automatically reboots after a power outage.



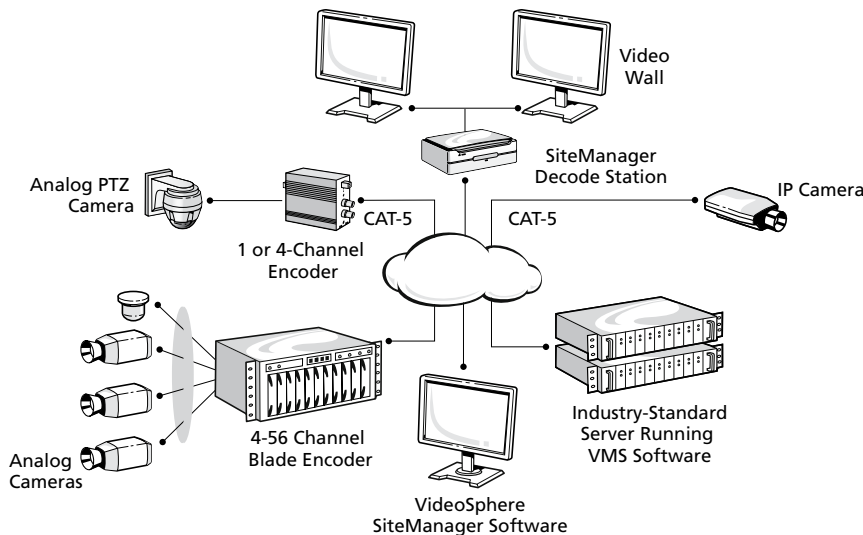
## KEY FEATURES

### Encoders

- Conversion of analog video to digital
- Up to 30 fps (NTCS) / 25 fps (PAL) on each camera
- H.264 and MPEG-4 compression to maximize video quality and minimize network data traffic and storage
- Up to 3 simultaneous video streams generated per camera
- Optional PTZ and audio capabilities
- Alarm inputs and relays for easy integration with access control systems
- Support for a range of embedded video analytic applications

### Decoders

- Decoding of up to 64 simultaneous video streams
- 2 to 200-monitor video wall management with SiteManager software
- Intuitive operator interface for control centers



*The VideoSphere Edge family of scalable encoders integrates analog cameras into IP video networks. The decoder manages video display monitors and walls.*

# VideoSphere Edge Encoders and Decoders

## Technical Specifications



Model	1-Channel Encoder / Decoder	4-Channel / Blade Encoder	Decode Station
Frame Rate	30 fps (NTSC) / 25 fps (PAL) @ D1	120 fps (NTSC) / 100 fps (PAL) @ D1	Any frame rate on up to 64 simultaneous video streams
Form Factor	Standalone	Standalone / Blade	Standalone
Video Output	BNC loopthrough / Monitor out		DVI, RCA, VGA, RGB, SVideo
Audio Inputs/Outputs	1/1	4/1	1 mic / 1 stereo
Alarms	1	4	
Relays	1	4	1
Compression	3 simultaneous H.264 streams, MPEG-4	3 simultaneous H.264 streams, MPEG-4	H.264, MPEG-4, JPEG
Supported Resolutions	CIF, 2CIF, D1	CIF, 2CIF, D1	Monitor dependent
PTZ Control	1 x RS-485	1 x RS-485	
USB Ports			2
Ethernet	10/100 Mb/s	10/100 Mb/s	Gigabit
Internal Storage	SD card slot	SDHC card slot	
Power over Ethernet	Yes	Yes	
Power Supply	12 VDC (terminal) / PoE	12 VDC (terminal) / PoE	100 – 240VAC
Power Consumption	4 W	5 W	90 W
Mounting Options	Wall-mount or rack (1U, 4 slots)	Wall-mount or rack (1U, 2 slots) Blade rack (4U, 14 slots)	Rack-mount (1U, 2 slots)
Operating Temperature	40 to 130 °F / 5 to 55 °C	40 to 130 °F / 5 to 55 °C	50 to 95 °F / 10 to 35 °C
Shipping Weight	1.1 lbs / 0.5 kg	1.3 lbs / 0.6 kg (Unit) 0.2 lbs / 0.1 kg (Blade) 3.3 lbs / 1.5 kg (Empty rack)	3.3 lbs / 1.5 kg
Dimensions (HxWxD)	1.4 x 4.5 x 4.75 in. / 3.5 x 11.4 x 12 cm	1.4 x 7.75 x 5.0 in./ 3.5 x 19.7 x 12.7 cm (Unit) 7 x 19 x 7.1 in. / 17.7 x 44.4 x 18.0 cm (Rack)	3.9 x 7.9 x 7.9 in. / 10 x 20 x 20 cm
Standards Compliance	UL 60950; CE EN55022; RoHS 2000/95/EC	UL 60950; CE EN55022; RoHS 2000/95/EC	UL 60950; CE EN55022; RoHS 2000/95/EC

PN 060-3013-00-E

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