4-Port H.264 Analog Video Encoder with Audio Support

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.

The innovative H.264 analog video encoder is just one way Avigilon can help provide the very best monitoring and protection.

Avigilon analog video encoders minimize bandwidth and storage requirements while capturing high-quality surveillance footage (in full resolution of up to 30 images per second per analog camera) for greater coverage and enhanced overall protection.

Using standard network equipment, the analog video encoder seamlessly integrates with the Avigilon Control Center system, Avigilon Blue cloud platform, and NVRs to create a network-based surveillance solution with unmatched performance, ease of use, and ease of installation. Plus they also feature 3D motion-adaptive de-interlacing for sharper, more accurate video.
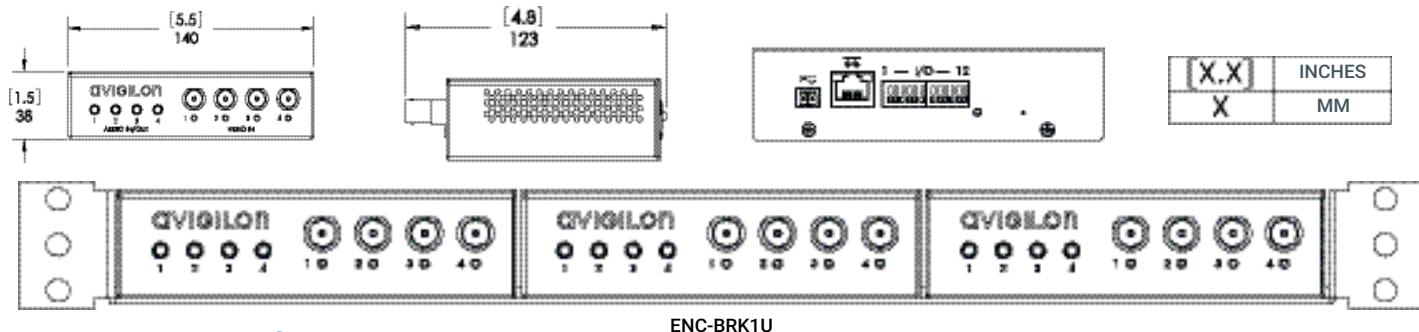
NDAA COMPLIANT

KEY FEATURES

4 video channels
Max resolution 720 x 480 (NTSC) or 720 x 576 (PAL)
30 images per second from each port
H.264 and Motion JPEG compression
Motion adaptive 3D deinterlacing
Support for PTZ and dome cameras via RS-485 interface
Up to 4 privacy zones available per channel
4 audio input channels
4 audio output channels
External I/O terminals
Power over Ethernet, 24 VAC or 12 VDC power input
Automatically connects to Avigilon Control Center NVMS and Avigilon Blue cloud platform
Rack mount kit allows 3 encoders in 1U of rack space

Specifications

ENCODER

Video Channels	4
Video Standard	NTSC; PAL
Video Format	Composite Video 1.0 Vpp with 75 Ohm selectable termination
Video Input	BNC connection
Max Resolution (per channel)	720 (H) x 480 (V) NTSC; 720 (H) x 576 (V) PAL
Image Rate (per channel)	30 NTSC at max. resolution; 25 PAL
Image Compression Method	H.264 (MPEG-4 Part 10/AVC); Motion JPEG
Motion Detection	Selectable sensitivity and threshold
Privacy Zones (per channel)	Up to 4 zones
Audio Input Channels	4
Audio Output Channels	4
Audio Compression Method	G.711 PCM 8kHz
Audio Input/Output	Line input/output, I/O mini-jack (3.5 mm)
PTZ Control	RS-485 interface
PTZ Protocols	American Dynamics Sensormatic, AXSYS, AXSYS DCU, Ernitec ERNA, Honeywell Diamond, Kalatel ASCII, Pelco D, Pelco P, TEB Ligne, Vicon extended, Vicon normal, Videotec Legacy, Videotec MACRO
External I/O Terminals	4 Alarm In, 4 Alarm Out

NETWORK

Network	100BASE-TX
Cabling Type	CAT5
Connector	RJ-45
Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication.
Protocol	IPv6, IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP,UDP, IGMP, ICMP, DHCP, Zeroconf, ARP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP

MECHANICAL

Dimensions (LxWxH)	140 mm x 123 mm x 38 mm (5.5" x 4.8" x 1.5")
Weight	0.62 kg (1.4 lbs)

ELECTRICAL

Power Source	VDC: 12 V VAC: 24 V PoE: IEEE802.3af Class 3 compliant
Power Consumption	8 W
Power Connector	2-pin terminal block

ENVIRONMENTAL

Operating Temperature	12 VDC: -10°C to 48°C (14°F to 118°F); 24 VAC or POE: -10°C to 50°C (14°F to 122°F)
Storage Temperature	-10 °C to 70 °C (14 °F to 158 °F)
Humidity	20 - 80% Relative humidity (non-condensing)

CERTIFICATIONS

Certifications/Directives	UL	cUL	CE	ROHS	WEEE	RCM	KC	EAC
Safety	UL 62368-1-1		CSA 62368-1		IEC/EN 62368-1			
Electromagnetic Emissions	FCC Part 15 Subpart B Class B	IC ICES-003 Class B			EN 55032 Class B	EN 61000-6-3	EN 61000-3-2	EN 61000-3-3	KN 22
Electromagnetic Immunity	EN 55035				EN 61000-6-1		KN 24		

Outline Dimensions

ENC-BRK1U

Ordering Information

ENC-4P-H264	4-Port H.264 Video Encoder with 4 Audio Inputs and 4 Audio Outputs
ENC-BRK1U	1U EIA (19") Rack Mountable Bracket for 3 ENC-4P-H264