The Avigilon H.264 analog video encoder with 4 audio inputs and 4 audio outputs is designed to integrate legacy analog cameras into a High Definition IP surveillance system. It transmits images over 100BASE-TX using H.264 technology to achieve the lowest network bandwidth, and requires minimal storage for video at high frame rates with superior image quality.

The encoder supports NTSC and PAL video standards. It also uses an industry-leading motion adaptive 3D deinterlacing algorithm to produce sharper and more accurate video that is free from interlacing artifacts. The encoder includes an RS-485 interface for PTZ support and an external I/O interface for connecting alarms and relays.

The encoder seamlessly integrates with Avigilon Control Center NVMS and High Definition NVRs. The encoder uses standard network equipment to create a network based surveillance solution with unmatched performance, ease of use, and ease of installation. ONVIF compliance provides support from other leading video management systems. For added flexibility, the encoder can be powered by either Power over Ethernet, 12 VDC or 24 VAC, and up to 3 units can be stored on a single 1U rack mount space with optional bracket.

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### 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
- ONVIF compliant API
- 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
- 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
- External I/O Terminals: 4 Alarm In, 4 Alarm Out

Network
- Network: 100BASE-TX
- Cabling Type: CAT5
- Connector: RJ-45
- API: ONVIF compliant (www.onvif.org)
- Security: Password protection, HTTPS encryption, digest authentication, WS authentication, user access log
- Protocols: 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/HTTPS/TCP, HTTP

Mechanical
- Dimensions (LxWxH): 140 mm x 122 mm x 44 mm
  - 5.5” x 4.8” x 1.7”
- Weight: 0.62 kg (1.4 lbs)

Electrical
- Power Source: VDC: 12 V
  - VAC: 24 V
- Power Consumption: 8 W
- Power Connector: 2-pin terminal block

Environmental
- Operating Temperature: 12VDC: -10°C to +48°C (14°F to 118°F)
  - 24VAC 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
- UL 60950
  - CSA 60950
  - EN 60950-1
- CE
- ROHS
- WEEE

Electromagnetic
- Emissions: FCC Part 15 Subpart B Class A
  - IC ICES-003 Class A
  - EN 55022 Class A
- Immunity: EN 55024 Class A
  - EN 61000-4-2
  - EN 61000-4-3
  - EN 61000-4-4
  - EN 61000-4-5
  - EN 61000-4-6
  - EN 61000-4-11

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

Outline Dimensions

![Image of the product dimensions and ordering information]