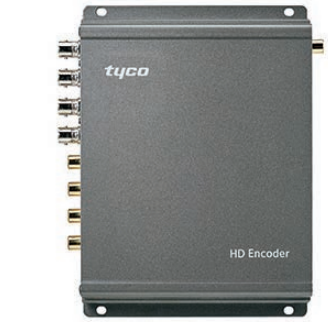
Data Sheet

Tyco HD Encoder



Key Features

- Supports all the major HD analog protocols – AHD, CVI, TVI
- Brand-agnostic technology translates video from any HD or SD camera to modern NVR systems
- PoE makes power-up easy with minimal cabling
- Multi-streaming allows for optimization of recording and live view simultaneously
- One- and four-channel encoder options
- An HDMI out enables direct plug-in to a display

Seamlessly Achieve Integration

The Tyco HD Encoder offers an attractive, simple solution for customers looking to take advantage of high definition video and the affordability of analog HD cameras, providing a seamless way to achieve full integration with a sophisticated VMS like exacqVision and VideoEdge. Customers with both high definition (HD) and standard definition (SD) analog cameras can integrate with modern VMS systems, leveraging the benefits of IP while utilizing their existing analog infrastructure. The Tyco HD Encoder is an out-of-the-box solution, encoding streams to H.264 and up to 4MP resolution.

Simplified Support from One Vendor

Tyco provides comprehensive solutions by offering everything you need to simplify support and maximize uptime. Using a single vendor for both the VMS and encoder makes purchasing and setup seamless, minimizing support complexities or compatibility issues that can arise down the road. The Tyco HD Encoder is fully supported by exacqVision and American Dynamics VideoEdge, making it easy to add into existing systems or as part of a new system.

Ensure Reliability and Business Continuity with a Cybersecurity Program

The Tyco HD Encoder has been designed with cybersecurity at the forefront. Our products exceed the standards of the Johnson Controls Cyber Solutions Product Security Program. Our security mindset starts with a holistic approach, including rapid incident response to meet comprehensive and evolving cybersecurity environments.

Specifications

	Four-Channel Encoder NTSC (TYCE4C-N), PAL (TYCE4C-P)	One-Channel Encoder NTSC (TYCE1C-N), PAL (TYCE1C-P)
Video and Audio		
Video Input Channels	4CH BNC, NTSC or PAL	1CH BNC, NTSC or PAL
Video Input Signal/ Resolution	AHD (Up to 4MP), CVI (Up to 2MP), TVI (Up to 2MP), CVBS	
Signal Detection	Auto/Manual	
Video Compression	H.264, MJPEG	
Output Resolutions	HD: 4M, 1920x1080, 1280x720 NTSC: 928x480, 928x240, 704x480, 704x240, 352x240 PAL: 928x576, 928x288, 704x576, 704x288, 352x288	HD: 4M, 1920x1080, 1280x720 NTSC: 928x480, 704x480, 704x240, 352x240, 640x360 PAL: 928x576, 704x576, 704x288, 640x360, 352x288
HD Max Output Frame Rate	H.264: 4MP@15fps, 2MP@30 fps (NTSC), 2MP@25fps (PAL) MJPEG: 2MP@2fps	
SD Max Output Frame Rate	H.264: 30fps (NTSC), 25 fps(PAL) MJPEG: 2fps	
Multi-streaming	Up to 3 profiles per channel	
Bit Rate Control	H.264: CBR, VBR. MJPEG: CBR	
Audio Input/Output	4 line input/1 line output	None
Audio Compression	G.711 u-law	None
Operational		
Monitor Out	1 HDMI OUT (4 multi-image, 1920 x 1080)	None
Alarm IO	4 Input, 2 Output	None
Motion Detection	On / Off	
Privacy Masks	Four rectangular zones per stream	
Trigger Events	Motion detection, Video loss, Alarm inputs, Tampering, Network disconnect	Motion Detection, Video Loss, Tampering
Remote Control Interface	RS-485 (Half duplex)	RS-485 / 422
RS-485 Protocol	SAMSUNG-T, PELCO-P/D	
Coaxial Control	NTSC/PAL : Pelco-C (Coaxitron), AHD : ACP (AHD Coax protocol)	
Network		
Network Protocols	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS,UPnP, ONVIF, Bonjour	
ONVIF	Onvif Profile S	
Security	HTTPS (SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP)	

Electrical/Mechanical/Environmental		
Input Voltage	PoE IEEE 802.3af or 12V DC. Power supply not included with product	
Power Consumption	Max. 9.6W (12V, 0.8A)	Max. 3.6 W (DC 12V), Max. 4.0W (PoE)
Dimensions (WxHxD)	178.0x 34.0 x127.8.0mm (7.01" x 1.34" x 5.03")	43.0 x 29.2 x 94.15mm (1.693" x 1.150" x 3.706")
Weight	540g (1.19 lb)	104g (0.229 lb)
Operating Temperature/ Humidity	-10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH	
Regulatory	UL, CE, FCC	

Note: The encoder hardware contains a HiSilicon chip, and HiSilicon is a subsidiary of Huawei.

Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

For additional information, please contact your local sales representative.

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