



SPE-1610

16CH H.264 Video Encoder



Key Features

- Max. 4MP resolution
- Max. 15fps@4MP, 30fps@1080p
- H.264, MJPEG-4 codec support
- Dual streaming (up to 3 profiles per CH)
- 10/100/1000 Base-T

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Specifications

Video	
Input Channel	16CH BNC, 1.0 Vp-p / 75Ω composite NTSC/PAL
Input Signal & Resolution	CVBS, AHD(1, 2&4MP), CVI(1 & 2MP), TVI(1 & 2MP) Auto / Detection
Video Out	1 HDMI OUT (16 multi Image, 1920x1080)
Operational	
Motion Detection	Off / On
Privacy Masking	Off / On (4ea rectangular zones)
De-Interlacing	Support
Alarm I/O	16 Input / 4 Output
Alarm Trigger	Motion Detection, Alarm Input, Video Loss, Tampering, Network disconnect
Alarm Events	File Upload Via FTP, E-mail
Audio I/O	4 Line Input / 1 Line Output
Remote Control Interface	1ea RS-485(Half Duplex)
RS-485 Protocol	SAMSUNG-T, PELCO-P/D
Coaxial Control	NTSC/PAL : Pelco-C (Coaxitron), AHD : ACP (AHD Coax protocol)
Network	
Ethernet	1 RJ-45 10/100/1000 Base-T
Video Compression Format	H.265, H.264 (MPEG-4 Part 10/AVC) : Main / Baseline / High, MJPEG
Resolution	2560x1920, 2560x1440, 1920x1080, 1280x720, 928x480(N), 928x240(N), 704x480(N), 704x240(N), 640x368, 352x240(N) 928x576(P), 928*288(P), 704x576(P), 704x288(P), 640x368, 352x288(P)
Max. Framerate	- Main Stream 4MP : 15fps/CH, 1080p/720p/WD1/4CIF/CIF : 30fps/CH(N), 25fps/CH(P) - Sub Stream WD1/4CIF : 12fps/CH, 2CIF/CIF/QVGA/QCIF : 30fps/CH(N), 25fps/CH(P) - MJPEG : 2fps @ 1920x1080,1280x720,960H,D1
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : CBR
Streaming Capability	Multiple Streaming (Up to 3 Profiles per channel)
Audio Compression	G.711 u-law
IP	IPv4, IPv6

Network

Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, ONVIF, Bonjour
Security	HTTPS (SSL) Login Authentication, Digest Login Authentication IP Address Filtering, User Access Log, 802.1X Authentication (EAP-TLS, EAP-LEAP)
Streaming Method	Unicast / Multicast
Max. User Access	48 users(4 Users/CH) at Unicast Mode
Webpage Language	English, French, German, Spanish, Italian, Russian, Turkish, Polish, Dutch, Swedish, Portuguese, Czech, Chinese, Japanese, Korean, Hungarian, Greek
Web Viewer	Supported OS : Windows 7,8,10, Mac OS X 10.10, 10.11, 10.12, Non-plugin WebViewer Supported Browser : Google Chrome 54, MS Edge 38, IE11, Mozilla Firefox 49 (Windows 64bit only), Apple Safari 9 (Mac OS X only)
Application Programming Interface	ONVIF profile S, SUNAPI (HTTP API)
Compatible Software & Recorder	SmartViewer, SSM, NVR(Hanwha Techwin, P/X/Q/L series)

Environmental

Operating Temperature / Humidity	-10°C ~ +45°C / 20% ~ 80% RH (-10°C ~ +40°C when installed in RACK)
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Electrical

Input Voltage / Current	DC12V
Power Consumption	MAX : 24W (12V, 2A)

Mechanical

Color/Metal	Black / Metal
Dimension(WxHxD)	370.0 x 47.5 x 330.9mm (14.57" x 1.87" x 13.03")
Weight	2.25kg (4.96 lb)

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CAD

Unit: mm [inch]

