



SPE-420

4CH Video Encoder



Key Features

- Maximum resolution: 5MP
- Maximum frame rate: 12fps@5MP
- H.265, H.264, MJPEG codec support
- Multiple streaming (up to 2 profiles per CH)
- 1 RJ-45 10/100 Base-T

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Specifications

Video

Input Channel	4CH BNC, 1.0 Vp-p / 75Ω composite NTSC/PAL
Input Signal & Resolution	CVBS, AHD/CVI/TVI (1, 2, 4, 5MP) Auto Detection
Video Out	1 HDMI OUT (4 multi Image, 1920x1080)

Operational

Motion Detection	Off / On
Privacy Masking	Off / On (4ea rectangular zones)
De-Interlacing	Support
Alarm I/O	4 Input / 2 Output(1 NO/COM/NC, 1 NO/COM)
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
OSD	Title, Date(Y/M/D), Time(H/M)
Remote Control Interface	1ea RS-485(Half Duplex)
RS-485 Protocol	SAMSUNG-T, PELCO-P/D
Coaxial Control	CVBS(Pelco-C) AHD, TVI, CVI

Network

Ethernet	1 RJ-45 10/100 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 5MP : 12fps/CH, 4MP : 15fps/CH, 1080p/720p/WD1/4CIF/CIF : 30fps/CH(N), 25fps/CH(P) - Sub Stream WD1/4CIF : 30fps/CH, 2CIF/CIF/QVGA/QCIF : 30fps/CH(N),25fps/CH(P), - MJPEG : 1fps @ 640x368,352x240, SD Camera : 2fps @ 480x240,352x240 * Enabling Time Display function in the OSD menu may cause up to 50 percent frame drop of the original setting.
Bitrate Control Method	H.265, H.264 : CBR or VBR
Streaming Capability	Multiple Streaming (Up to 2 Profiles per channel)
Audio Compression	G.711 u-law

Network

IP	IPv4, IPv6
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	max. 16 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 10 or later, Windows 7, 8, 10, Mac OS X 10.13 or later, Non-plugin WebViewer Supported Browser: Google Chrome 80 or later, MS Edge 83 or later, Mozilla Firefox 72 or later, Apple Safari 11.0.1 or later
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	0°C ~ +50°C / 20% ~ 80% RH
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Electrical

Input Voltage / Current	DC12V, PoE(IEEE 802.3af)
Power Consumption	MAX : 5W (12V, 0.417A)

Mechanical

Color/Metal	Dark Gray / Metal
Dimension(WxHxD)	178.0 × 34.0 × 127.8(include Connector 148.7)mm
Weight	520g(1.15lb)

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CAD

Unit: mm [inch]

Unit : mm(inch)

