



# 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

# SPE-420

## 4CH Video Encoder



### Specifications

#### Video

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

#### Operational

<b>Motion Detection</b>	Off / On
<b>Privacy Masking</b>	Off / On (4ea rectangular zones)
<b>De-Interlacing</b>	support
<b>Alarm I/O</b>	4 Input / 2 Output
<b>Alarm Trigger</b>	Motion Detection, Alarm Input, Video Loss, Tampering, Network disconnect
<b>Alarm Events</b>	File Upload Via FTP, E-mail
<b>Audio I/O</b>	4 Line Input / 1 Line Output(1 NO/COM/NC, 1 NO/COM)
<b>OSD</b>	Title
<b>Remote Control Interface</b>	1ea RS-485(Half Duplex)
<b>RS-485 Protocol</b>	SAMSUNG-T, PELCO-P/D
<b>Coaxial Control</b>	CVBS(Pelco-C) AHD, TVI, CVI

#### Network

<b>Ethernet</b>	1 RJ-45 10/100 Base-T
<b>Video Compression Format</b>	H.265, H.264 (MPEG-4 Part 10/AVC) : Main / Baseline / High, MJPEG
<b>Resolution</b>	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)
<b>Max. Framerate</b>	- 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 : 2fps @ 640x368, 352x240, SD Camera : 2fps @ 480x240, 352x240
<b>Bitrate Control Method</b>	H.265, H.264 : CBR or VBR
<b>Streaming Capability</b>	Multiple Streaming (Up to 2 Profiles per channel)
<b>Audio Compression</b>	G.711 u-law
<b>IP</b>	IPv4, IPv6
<b>Protocol</b>	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
<b>Security</b>	HTTPS (SSL) Login Authentication, Digest Login Authentication IP Address Filtering, User Access Log, 802.1X Authentication (EAP-TLS, EAP-LEAP)
<b>Streaming Method</b>	Unicast / Multicast
<b>Max. User Access</b>	max. 16 users(4 Users/CH) at Unicast Mode
<b>Webpage Languages</b>	English, French, German, Spanish, Italian, Russian, Turkish, Polish, Dutch, Swedish, Portuguese, Czech, Chinese, Japanese, Korean, Hungarian, Greek
<b>Web Viewer</b>	Supported OS : Windows 10 or later, 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, NVR(Hanwha Techwin, P/X/Q/L series)

### Environmental

Operating Temperature / Humidity	-10°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 / Material	Dark Gray / Metal
Dimension (WxHxD)	(W) 178.0 × (H) 34.0 × (D)127.8(include Connector 148.7)mm
Weight	520g(1.15lb)

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CAD

Unit: mm [inch]

Unit : mm(inch)

