

# SPE-420

4CH Video Encoder



FC | UL LISTED | CE | ENEC

## 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

<b>Video</b>	
<b>Input Channel</b>	4CH BNC, 1.0 Vp-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)
<b>Operational</b>	
<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
<b>Network</b>	
<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
<b>Application Programming Interface</b>	ONVIF profile S, SUNAPI (HTTP API)
<b>Compatabile Software &amp; Recoder</b>	SmartViewer, NVR(Hanwha Techwin, P/X/Q/L series)
<b>Environmental</b>	
<b>Operating Temperature / Humidity</b>	-10°C ~ +50°C / 20% ~ 80% RH
<b>Electrical</b>	
<b>Input Voltage / Current</b>	DC12V, PoE(IEEE 802.3af)
<b>Power Consumption</b>	MAX : 5W (12V, 0.417A)
<b>Mechanical</b>	
<b>Color / Material</b>	Dark Gray / Metal
<b>Dimension (WxHxD)</b>	(W) 178.0 × (H) 34.0 × (D)127.8(include Connector 148.7)mm
<b>Weight</b>	520g(1.15lb)

- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.

Unit : mm (inch)

