

# SPE-410A

4CH Network Video Encoder

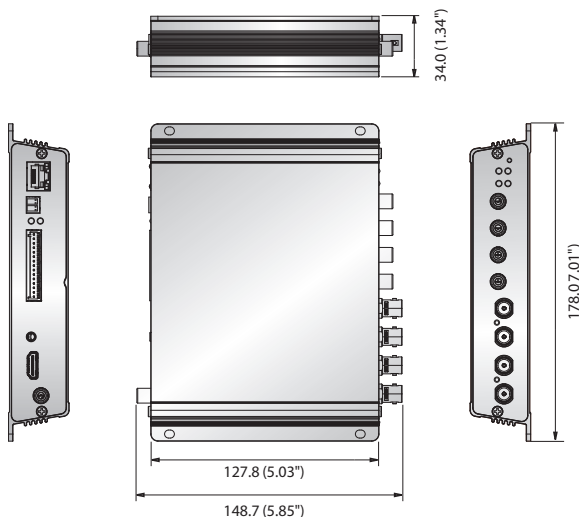


## Key Features

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

## Dimensions

Unit : mm (inch)



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VIDEO							
Input Channel	4CH BNC 1.0V pp / 75Ω composite NTSC / 4CH BNC, 1.0V pp / 75Ω composite PAL						
Input Signal & Resolution	CVBS, AHD(2&4MP), CVI(2MP), TVI(2MP) Auto / Manual detection						
Video Out	1 HDMI OUT (4 multi Image, 1920 x 1080)						
OPERATIONAL							
Motion Detection	Off / On						
Privacy Masking	Off / On (4ea rectangular zones)						
Alarm I/O	4 Input / 2 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.264 (MPEG-4 Part 10/AVC) : Main / Baseline / High, MJPEG						
Resolution	4M, 1920x1080, 1280x720, 928x480, 928x240, 704x480, 704x240, 352x240						
Max. Framerate	<table border="0"> <tr> <td>- Main Stream 4MP : 15fps/CH, 1080p/720p/ WD1/4CIF/CIF : 30fps/CH</td> <td>- Main Stream 4MP : 15fps/CH, 1080p/720p/ WD1/4CIF/CIF : 25fps/CH</td> </tr> <tr> <td>- Sub Stream WD1/4CIF : 12fps/CH, 2CIF/CIF/ QVGA/QCIF : 30fps/CH</td> <td>- Sub Stream WD1/4CIF : 12fps/CH, 2CIF/CIF/ QVGA/QCIF : 25fps/CH</td> </tr> <tr> <td>- MJPEG : 2fps @ 1920x1080, 1280x720, 960H, D1</td> <td>- MJPEG : 2fps @ 1920x1080, 1280x720, 960H, D1</td> </tr> </table>	- Main Stream 4MP : 15fps/CH, 1080p/720p/ WD1/4CIF/CIF : 30fps/CH	- Main Stream 4MP : 15fps/CH, 1080p/720p/ WD1/4CIF/CIF : 25fps/CH	- Sub Stream WD1/4CIF : 12fps/CH, 2CIF/CIF/ QVGA/QCIF : 30fps/CH	- Sub Stream WD1/4CIF : 12fps/CH, 2CIF/CIF/ QVGA/QCIF : 25fps/CH	- MJPEG : 2fps @ 1920x1080, 1280x720, 960H, D1	- MJPEG : 2fps @ 1920x1080, 1280x720, 960H, D1
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Bitrate Control Method	H.264 : CBR or VBR, MJPEG : CBR						
Streaming Capability	Multiple streaming (Up to 3 Profiles per channel)						
Audio I/O	4 Line Input / 1 Line Output						
Audio Compression Format	G.711 u-law						
IP	IPv4, IPv6						
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, 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	10 users at Unicast Mode						
Webpage Languages	English, French, German, Spanish, Italian, Russian, Turkish, Polish, Dutch, Swedish, Portuguese, Czech, Chinese, Japanese						
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	Smart viewer, SSM, Wisenet mobile viewer, Wisenet NVR (P/X/Q series)						
ENVIRONMENTAL							
Operating Temperature / Humidity	-10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH						
ELECTRICAL							
Input Voltage / Current	12V DC, PoE(IEEE 802.3af)						
Power Consumption	Max. 9.6W (12V, 0.8A)						
MECHANICAL							
Color / Material	Dark Gray / Metal						
Dimensions (WxHxD)	178.0x 34.0 x 127.8.0mm (7.01" x 1.34" x 5.03")						
Weight	540g (1.19 lb)						

\* The alarm feature of SSM or NVR (connected to encoder) is in preparation.  
 \* We will announce through our web site when it is available. Please find more information 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.