

# SPE-1610

Network Video Encoder

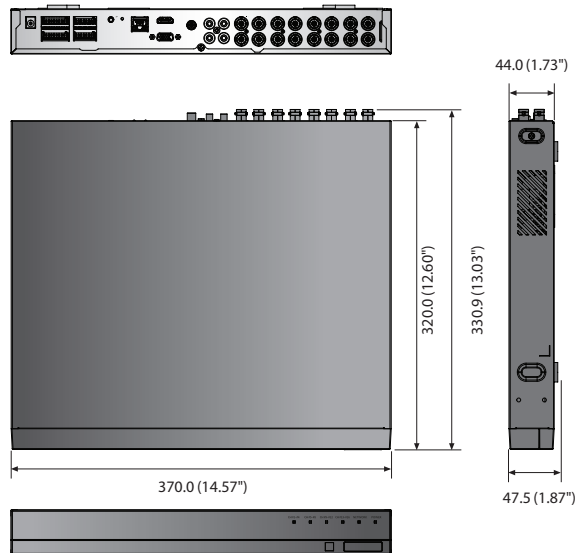


## Key Features

- 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)



	<b>SPE-1610N</b>	<b>SPE-1610P</b>
<b>VIDEO</b>		
Input Channel	16CH BNC, 1.0 Vp-p / 75Ω composite NTSC	16CH BNC, 1.0 Vp-p / 75Ω composite 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)	
<b>OPERATIONAL</b>		
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 (1 NO/COM/NC, 3 NO/COM)	
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)	
<b>NETWORK</b>		
Ethernet	1 RJ-45 10/100/1000 BASE-T	
Video Compression Format	H.264 (MPEG-4 Part 10/AVC) : Main / Baseline / High, MJPEG	
Resolution	2560 x 1440, 1920 x 1080, 1280 x 720, 928 x 480(N), 928 x 240(N), 704 x 480(N), 704 x 240(N), 640 x 360, 352 x 240(N), 928 x 576(P), 928 x 288(P), 704 x 576(P), 704 x 288(P), 640 x 360, 352 x 288(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 Format	G.711 u-law	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,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	48 users(4 Users/CH) at Unicast Mode	
Webpage Languages	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)	

	<b>SPE-1610N</b>	<b>SPE-1610P</b>
Application Programming Interface	ONVIF profile S, SUNAPI (HTTP API)	
Central Management Software & Recorder	SmartViewer, SSM, WiseNet Mobile Viewer, NVR (Hanwha Techwin, P/X/Q series)	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	-10°C ~ +45°C / 20% ~ 80% RH (-10°C ~ +40°C when installed in RACK)	
<b>ELECTRICAL</b>		
Input Voltage / Current	DC12V	
Power Consumption	MAX : 24W (12V, 2A)	
<b>MECHANICAL</b>		
Color / Material	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)	

\* 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**.