



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), 928x288(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 : 2fps @ 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
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)

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

Streaming Method	Unicast / Multicast
Max. User Access	max. 16 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 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, SSM, NVR(Hanwha Techwin, P/X/Q/L series)
Environmental	
Operating Temperature / Humidity	0°C ~ +50°C / 20% ~ 80% RH
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)

