

# SPE-420

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

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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# SPE-420

Encoder



## 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), 928*288(P), 704x576(P), 704x288(P), 640x368, 352x288(P) |
| Max. Framerate | - Main Stream 5MP : 12fps/CH,<br>4MP : 15fps/CH,<br>1080p/720p/WD1/4CIF/CIF : 30fps/CH(N),<br>25fps/CH(P) - Sub Stream WD1/4CIF : 30fps/CH,<br>2CIF/CIF/QVGA/QCIF : 30fps/CH(N),25fps/CH(P),<br>- MJPEG : 1fps @ 640x368,352x240,<br>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 |

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## Network

| | |
|---|---|
| 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) |
| Streaming Method | Unicast / Multicast |
| Max. User Access | max. 16 users(4 Users/CH) at Unicast Mode |
| Webpage Language | 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,Windows 7,8,10,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) |
| Compatabile 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/Metal | Dark Gray / Metal |
| Dimension(WxHxD) | 178.0 × 34.0 × 127.8(include Connector 148.7)mm |
| Weight | 520g(1.15lb) |

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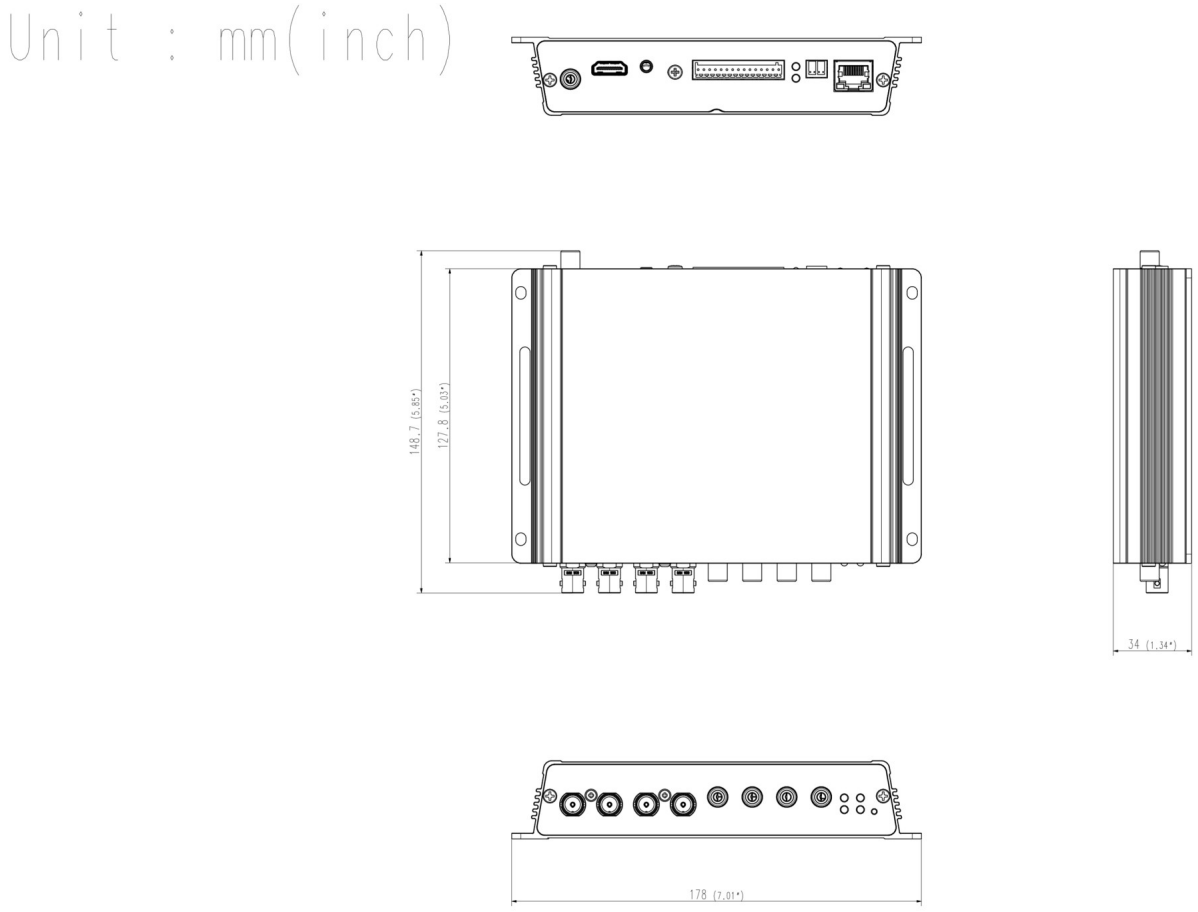
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## CAD

**Unit:** mm [inch]




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