

# HRX-835

8CH Pentabrid DVR



FC |  | CE | EAC

## Key Features

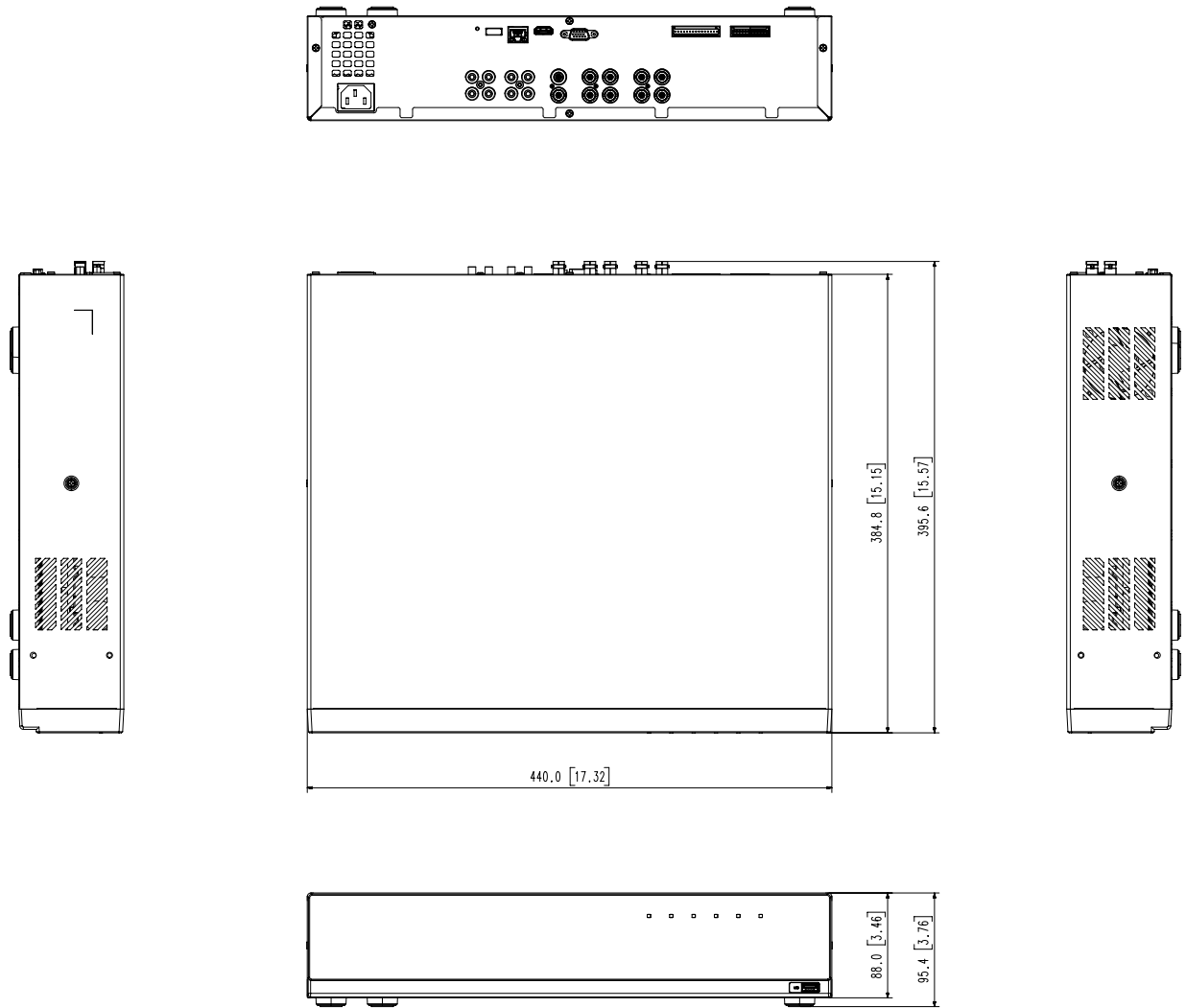
- 5-in-1 8CH Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- Max. Analog 8CH + NW 10CH, up to 8MP
- H.265, H.264, MJPEG codec
- 8/8fps@8MP, 12/12fps@5MP recording
- Coaxial control
- Up to 4 SATA HDDs(6TB/HDD)
- HDMI/VGA Dual monitor
- P2P service (QR code connect)

| Display        |                       |   |
|----------------|-----------------------|---|
| Analog camera  | Inputs                | 8CH(1Vp-p 75ohm, BNC)   |
|                | Signal Type           | AHD(8MP, 5MP, 4MP, 1080p, 720p)<br>HDTVI(8MP, 5MP, 4MP, 1080p, 720p)<br>HDCVI(5MP, 4MP, 1080p, 720p)<br>CVBS(NTSC/PAL)  |
| Network camera | Inputs                | Max. 10CH   |
|                | Resolution            | 8MP ~ CIF   |
|                | Protocols             | SUNAPI(Wisenet), ONVIF  |
| Live           | Local Display         | 1x HDMI, 1x VGA (Dual monitor)<br>HDMI: 3840 x 2160, 2560x1440, 1920x1080, 1280x1044, 1280x720 (Expand mode 1920x1080)<br>VGA: 1920x1080, 1280x1024, 1280x720 (Expand 1024*768)   |
|                | Resolution            | [Analog Camera(NTSC/PAL)]<br>- 8MP(15/12fps), 5MP(20/12fps), 4MP(30/25fps), 2MP(30/25fps), 1MP(30/25fps), 960H(or 720H)(30/25fps) * per CH<br>[Network Camera]<br>- Typ. 2MP(240fps)  |
| Performance    |                       |   |
| Record         | Compression           | H.265, H.264, MJPEG   |
|                | Record Rate(Analog)   | Analog Camera<br>(Main Stream) 8MP 8/8fps CH, 5M 12/12fps, 4M 15/12fps, 2M 30/25fps, 720p 30/25fps, 960H/640H 30/25fps(NTSC/PAL per CH)<br>(Sub Stream) 720p or higher : 640x368 full fps/CH, SD signal : upto CIF full fps/CH<br>* The maximum recording frame rate depends on the frame rate of the input camera. |
|                | Recording Bandwidth   | Max. 50Mbps   |
|                | Resolution            | 8MP ~ CIF   |
|                | Mode                  | Manual, Schedule (Continuous/Event), Event(Pre/Post), Dual Track  |
|                | Event Trigger         | Alarm Input<br>Analog Camera : Video Loss, Motion Detection, Tampering<br>Network Camera : Camera Event (Sensor, MD, Video analytics), VA event (Tampering, Enter / Exit, Passing, Virtual- line, (Dis)Appear, Face Detection, Audio detection), Defocus camera event, Dynamic camera event                         |
|                | Event Action          | E-mail, PTZ preset, Alarm out, Buzzer, Monitor out  |
| Search & Play  | Playback Bandwidth    | Max. 32Mbps (10CH simultaneously)   |
|                | User                  | Max. 4 Users (Local 1, Remote 3)  |
|                | Simultaneous playback | 8CH(Local Monitor, CMS, Wisenet Mobile)<br>1Ch(Web)   |
|                | Fisheye Dewarping     | WEB / CMS   |
| Storage        | Supported HDD         | Up to 6TB   |
|                | HDD Slot              | SATA 4ea(Max 24TB)  |
| Backup         | File backup           | BU, EXE(Include Player), AVI(Webviewer only)  |
|                | Function              | Max. 10 CH play, Date-time/title display  |
| Functions      |                       |   |

|                              |                          |  |
|------------------------------|--------------------------|--|
| <b>PTZ</b>                   | <b>Control</b>           | Via GUI, Webviewer, SSM, SmartViewer, Wisenet Mobile Viewer, System Controller   |
| <b>Smart phone</b>           | <b>Support Model</b>     | iOS, Android   |
|                              | <b>Protocol Support</b>  | RTP, RTSP, HTTP, CGI(SUNAPI)   |
|                              | <b>Control</b>           | Live(8ch) : Multi-Profile Support<br>Playback(4Ch Multi Playback, Max 2MP)<br>Event push   |
|                              | <b>Max. Remote Users</b> | Search(3), Live Unicast(10)  |
| <b>Redundancy</b>            | <b>ARB</b>               | Support  |
| <b>Easy configuration</b>    |                          | Setup Wizard (Language, Date/Time, Password, Network, Auto Camera Configuration), P2P (QR code)  |
| <b>Coaxial Control</b>       |                          | CVBS(Pelco-C)/AHD/CVI/TVI  |
| <b>Interface</b>             |                          |  |
| <b>HDMI</b>                  |                          | 1EA  |
| <b>VGA</b>                   |                          | 1EA  |
| <b>BNC</b>                   |                          | 8CH In / 1CH Out(Spot Output)  |
| <b>Audio</b>                 |                          | Out(1EA, RCA, Line)  |
| <b>Ethernet</b>              |                          | RJ-45(10/100/1000BASE-T)   |
| <b>Alarm</b>                 |                          | In 8EA, Out 4EA<br>- Relay Out1(NO/NC/COM)<br>- Relay Out2~4(NO/COM)   |
| <b>USB</b>                   |                          | 2EA(Front USB2.0, Rear USB 3.0))   |
| <b>Serial(Protocols)</b>     |                          | RS-485/422 (Samsung-T/Pelco-D/Pelco-p) * for PTZ   |
| <b>Power inlet</b>           |                          | 1EA AC   |
| <b>System</b>                |                          |  |
| <b>System Control</b>        |                          | Mouse, Webviewer, System Controller(SPC-7000, SPC-6000, SPC-2000)  |
| <b>Language</b>              |                          | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai |
| <b>Environmental</b>         |                          |  |
| <b>Operating Temperature</b> |                          | 0°C to +40°C(+32°F to +104°F)  |
| <b>Operating Humidity</b>    |                          | 20% ~ 85% RH   |
| <b>Certification</b>         |                          | UL, CE, FCC, KC  |
| <b>Electrical</b>            |                          |  |
| <b>Power Input</b>           |                          | 100~240 VAC ± 10%, 50/60 Hz  |
| <b>Power Consumption</b>     |                          | Max. 120W (6T HDD 4ea) TBD   |
| <b>Mechanical</b>            |                          |  |
| <b>Color / Material</b>      |                          | Black / Metal  |
| <b>Dimension (WxHxD)</b>     |                          | 440 x 88 x 384.8mm(17.32" x 3.46" x 15.15")  |
| <b>Weight</b>                |                          | Approx. 4.6Kg (10.14 lb, 4TB HDD 1ea)  |

| <b>Network</b>                |   |                            |
|-------------------------------|---|----------------------------|
| <b>Protocol</b>               | TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)   |                            |
| <b>DDNS</b>                   | Wisenet DDNS  |                            |
| <b>Transmission speed</b>     | Analog Camera<br>(Main Stream) 8MP 8/8fps CH, 5M 12/12fps, 4M 15/12fps, 2M 30/25fps, 720p 30/25fps, 960H/640H 30/25fps(NTSC/PAL per CH)<br>(Sub Stream) 720p or higher : 640x368 full fps/CH, SD signal : upto CIF full fps/CH<br>* The maximum recording frame rate depends on the frame rate of the input camera. |                            |
| <b>Transmission Bandwidth</b> | Max. 64Mbps   |                            |
| <b>Audio</b>                  | <b>Input/Output</b>   | 8 Line in / 1 Line out     |
|                               | <b>Compression</b>  | G.711 (N/W Cam G.711, 726) |
|                               | <b>Audio Communication</b>  | 2-Way                      |
| <b>Max Remote Users</b>       | Search(3), Live Unicast(10), Multicast(20)  |                            |
| <b>Security</b>               | IP address filtering, User access log, 802.1x Authentication, Encryption (ID/PW, Recording, Transmission, Backup)<br>Device Certificate(Hanwha Techwin Root CA)   |                            |
| <b>Viewer Software</b>        | SSM, Webviewer, Smart Viewer, Wisenet mobile<br>Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS   |                            |

- 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.



Appearance drawing HRX-835  
Unit : mm [inches]