



# HRX-835

8CH Pentabrid DVR



## Key Features

- 5-in-1 8CH Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- Total 10CH (Analog Max. 8CH and Network Max. 8CH supported), 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)

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## Specifications

|                |                       |                                                                                                                                                                                                                                                                                                                     |
|----------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>* 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 | 10CH(Local Monitor), 8CH(CMS), 4CH(Wisenet Mobile) 1CH(Web)                                                                                                                                                                                                                                                         |
|                | Fisheye Dewarping     | WEB / CMS                                                                                                                                                                                                                                                                                                           |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com).

Hanwha Vision is formerly known as Hanwha Techwin.

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|         |               |                                              |
|---------|---------------|----------------------------------------------|
| 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          |                                                                                                 |                                                                                          |
| PTZ                | Control                                                                                         | Via GUI, Webviewer, SSM, SmartViewer, Wisenet Mobile Viewer, System Controller           |
|                    | Support Model                                                                                   | iOS, Android                                                                             |
|                    | Protocol Support                                                                                | RTP, RTSP, HTTP, CGI(SUNAPI)                                                             |
| Smart phone        | Control                                                                                         | Live(8ch) : Multi-Profile Support<br>Playback(4Ch Multi Playback, Max 2MP)<br>Event push |
|                    | Max. Remote Users                                                                               | Search(3), Live Unicast(10)                                                              |
|                    | Redundancy                                                                                      | ARB Support                                                                              |
| Easy configuration | Setup Wizard (Language, Date/Time, Password, Network, Auto Camera Configuration), P2P (QR code) |                                                                                          |
| Coaxial Control    | CVBS(Pelco-C)/AHD/CVI/TVI                                                                       |                                                                                          |

|                   |                                                                      |  |
|-------------------|----------------------------------------------------------------------|--|
| Interface         |                                                                      |  |
| HDMI              | 1EA                                                                  |  |
| VGA               | 1EA                                                                  |  |
| BNC               | 8CH In / 1CH Out(Spot Output)                                        |  |
| Audio             | Out(1EA, RCA, Line)                                                  |  |
| Ethernet          | RJ-45(10/100/1000BASE-T)                                             |  |
| Alarm             | In 8EA, Out 4EA<br>- Relay Out1(NO/NC/COM)<br>- Relay Out2~4(NO/COM) |  |
| USB               | 2EA(Front USB2.0, Rear USB 3.0))                                     |  |
| Serial(Protocols) | RS-485/422 (Samsung-T/Pelco-D/Pelco-p) * for PTZ                     |  |
| Power inlet       | 1EA AC                                                               |  |

|                |                                                                                                                                                                                                                    |  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| System         |                                                                                                                                                                                                                    |  |
| System Control | Mouse, Webviewer, System Controller(SPC-7000, SPC-6000, SPC-2000)                                                                                                                                                  |  |
| Language       | English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai |  |

|                       |                               |  |
|-----------------------|-------------------------------|--|
| Environmental         |                               |  |
| Operating Temperature | 0°C to +40°C(+32°F to +104°F) |  |
| Operating Humidity    | 20% ~ 85% RH                  |  |
| Certification         | UL, CE, FCC, KC               |  |

|                   |                             |  |
|-------------------|-----------------------------|--|
| Electrical        |                             |  |
| Power Input       | 100~240 VAC ± 10%, 50/60 Hz |  |
| Power Consumption | Max. 120W (6T HDD 4ea) TBD  |  |

|                   |                                             |  |
|-------------------|---------------------------------------------|--|
| Mechanical        |                                             |  |
| Color / Material  | Black / Metal                               |  |
| Dimension (WxHxD) | 440 x 88 x 384.8mm(17.32" x 3.46" x 15.15") |  |
| Weight            | Approx. 4.6Kg (10.14 lb, 4TB HDD 1ea)       |  |

|                        |                                                                                                                                                                                                                                                                                                                     |                            |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Network                |                                                                                                                                                                                                                                                                                                                     |                            |
| Protocol               | 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)                                                                                                                                |                            |
| DDNS                   | Wisenet DDNS                                                                                                                                                                                                                                                                                                        |                            |
| Transmission speed     | 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. |                            |
| Transmission Bandwidth | Max. 64Mbps                                                                                                                                                                                                                                                                                                         |                            |
| Audio                  | Input/Output                                                                                                                                                                                                                                                                                                        | 8 Line in / 1 Line out     |
|                        | Compression                                                                                                                                                                                                                                                                                                         | G.711 (N/W Cam G.711, 726) |
|                        | Audio Communication                                                                                                                                                                                                                                                                                                 | 2-Way                      |
| Max Remote Users       | Search(3), Live Unicast(10), Multicast(20)                                                                                                                                                                                                                                                                          |                            |
| Security               | IP address filtering, User access log, 802.1x Authentication, Encryption (ID/PW, Recording, Transmission, Backup)<br>Device Certificate(Hanwha Techwin Root CA)                                                                                                                                                     |                            |
| Viewer Software        | SSM, Webviewer, Smart Viewer, Wisenet mobile<br>Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS                                                                                                                                                                                                           |                            |

# HRX-835

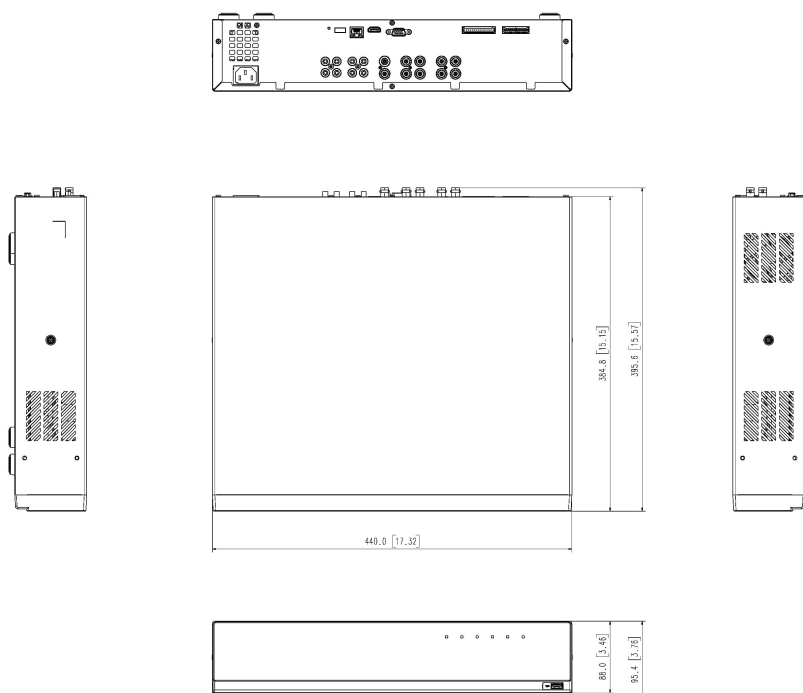
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CAD

Unit:mm [inch]

This page should not contain any statements which are specified in ADR-003K



Appearance drawing HRX-835  
Unit : mm [inches]