

HRX-820

8CH Pentabrid DVR



Key Features

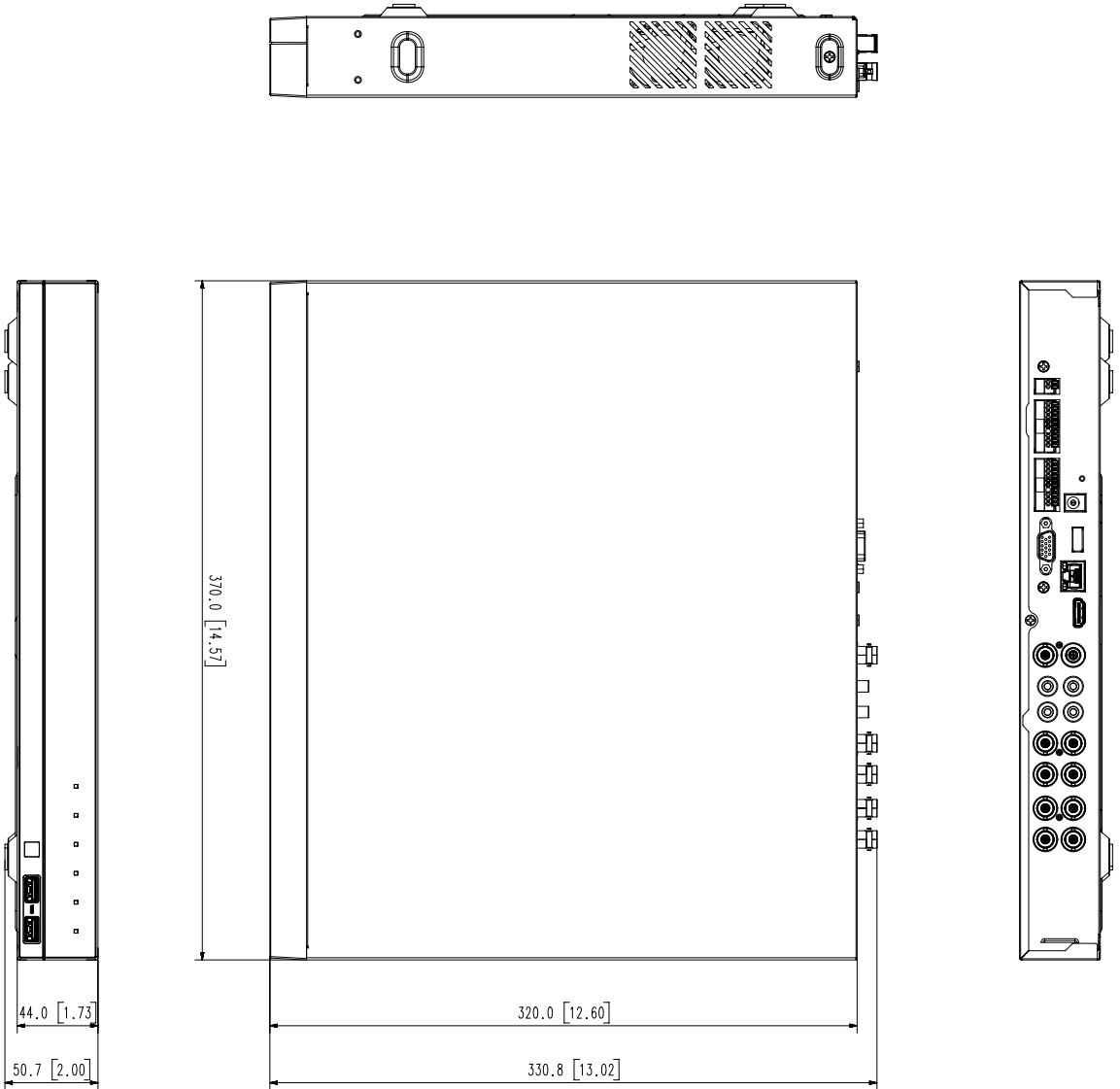
- 5-in-1 8CH Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- Max. Analog 8CH + NW 2CH(Max. 10CH), up to 8MP
- H.265, H.264, MJPEG
- 8fps@8MP, 12fps@5MP, 30fps@2MP recording
- Coaxial control
- Smart search(only Network camera)
- Up to 2 SATA HDDs(6TB/HDD)
- HDMI/VGA Dual monitor
- P2P service(QR code connect)

| Display | | |
|----------------|-----------------------|---|
| Analog camera | Inputs | 8CH(1Vp-p 75ohm, BNC) |
| | Signal Type | AHD(8MP, 5MP, 4MP, 1080p, 720p) HDTVI(8MP, 5MP, 4MP, 1080p, 720p) HDCVI(5MP, 4MP, 1080p, 720p) CVBS(NTSC/PAL) |
| Network camera | Inputs | Max. 10CH |
| | Resolution | 8MP ~ CIF |
| | Protocols | SUNAPI(Wisenet), ONVIF |
| Live | Local Display | 1x HDMI, 1x VGA (Dual monitor) HDMI: 3840 x 2160, 1920x1080, 1280x720 (1920x1080, Clone mode) VGA: 1920x1080, 1280x720 |
| | Resolution | [Analog Camera(NTSC/PAL)] - 8MP(15/12fps), 5MP(20/12fps), 4MP(30/25fps), 2MP(30/25fps),1MP(30/25fps), 960H(or 720H)(30/25fps) * per CH [Network Camera] - Typ. 2MP(240fps) |
| Performance | | |
| Record | Compression | H.265, H.264, MJPEG |
| | Record Rate(Analog) | Analog Camera(NTSC/PAL) (Main Stream) 8MP 8/8fps CH, 5M 12/12fps CH, 4M 15/12fps CH, 2M 30/25fps CH, 720p 30/25fps/CH, SD 30/25fps/CH (Sub Stream) 720p or higher : 640x360 full fps/CH, SD signal : upto SD full fps/CH * The maximum recording frame rate depends on the frame rate of the input camera. |
| | Recording Bandwidth | Max. 40Mbps (Analog Camera only) ~ 28Mbps (Network Camera only) |
| | Resolution | 8MP ~ CIF |
| | Mode | Manual, Schedule (Continuous/Event), Event(Pre/Post), Dual Track |
| | Event Trigger | Alarm Input Analog Camera : Video Loss, Motion Detection, Tampering 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 |
| | 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) 4Ch (CMS, Wisenet Mobile), 1Ch(Web) |
| | Fisheye Dewarping | WEB / CMS |
| Storage | Supported HDD | Up to 6TB |
| | HDD Slot | SATA 2ea(Max 12TB) |
| 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 |
| Smart phone | Support Model | iOS, Android |

| | | |
|---------------------------|------------------------------|--|
| | Protocol Support | RTP, RTSP, HTTP, CGI(SUNAPI) |
| | Control | Live(8ch) : Multi-Profile Support Playback(4Ch Multi Playback, Max 2MP) 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 - Relay Out1(NO/NC/COM) - Relay Out2~4(NO/COM) |
| | USB | 3EA(Front USB2.0 2a , Rear USB 3.0 1ea) |
| | Serial(Protocols) | RS-485 (Samsung-T/Pelco-D/Pelco-p) * for PTZ |
| | Power inlet | 1EA DC Input Jack |
| System | | |
| | System Control | Mouse, IR Remocon, 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 | DC12V |
| | Power Consumption | Max. 32W (6T HDD 2ea) |
| Mechanical | | |
| | Color / Material | Black / Metal |
| | Dimension (WxHxD) | 370.0x 44.0 x 320mm(14.57" x 1.73" x 12.6") |
| | Weight | Approx. 2.5Kg (5.6 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(NTSC/PAL) (Main Stream) 8MP 8/8fps CH, 5M 12/12fps CH, 4M 15/12fps CH, 2M 30/25fps CH, 720p 30/25fps/CH, SD 30/25fps/CH, 720p 30/25fps/CH, SD 30/25fps/CH (Sub Stream) 720p or higher : 640x360 full fps/CH, SD signal : upto SD full fps/CH * The maximum recording frame rate depends on the frame rate of the input camera. |
| Transmission Bandwidth | | Max. 20Mbps |
| 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) Device Certificate(Hanwha Techwin Root CA) |
| Viewer Software | | SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS |

- The latest product information / specification can be found at 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-820
Unit : mm[inches]