HRX-820

8ːC\UbbYˋ Pentabrid DVR

Key Features

- 5-in-1 8ːC\UbbYˋ Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- AˍUIˌ]aˌiˌaˍˌ,ˌˋWˍUbbYˋˋ5bˍcˌ[ˌˌŽˌˋ&ˋWˍUbbYˋˋBˍYˌ\ˌkˌcf_ˌˋfAˍUIˌ]aˌiˌaˍˌˋ%ˋ$7<ˋ\ˌˍżˌiˌdˌ\ˌcˋ,ˌAˌDˋfˍYˌgˋ\ˌiˌ\ˌcb
- Migrate analog channels to IP channels
- 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)

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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
Network Camera	Inputs	Maximum 10CH (2 channels available when all 8 analog channels are in use)
	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	[Ananlg Camera] - 8MP(15fps), 5MP(20fps), 4MP(30fps), 2MP(30fps),1MP(30fps), 960H/720H(30fps) *per CH [Network Camera] - Typical 2MP(240fps)

Performance

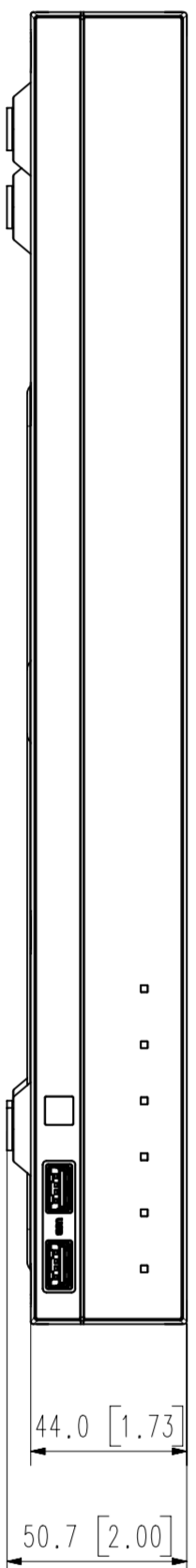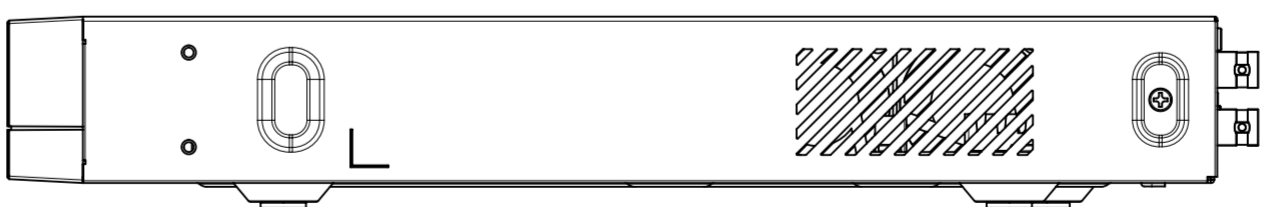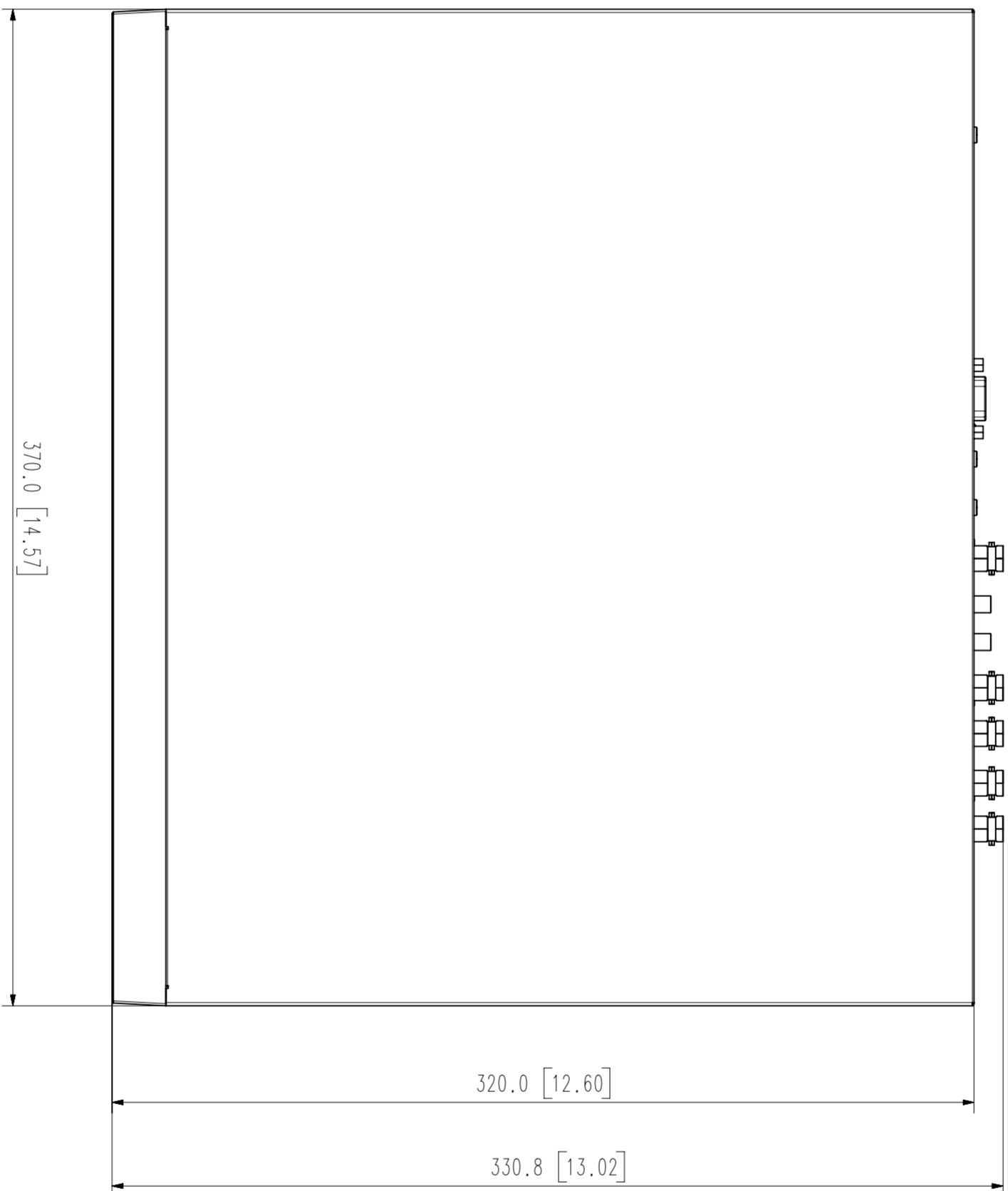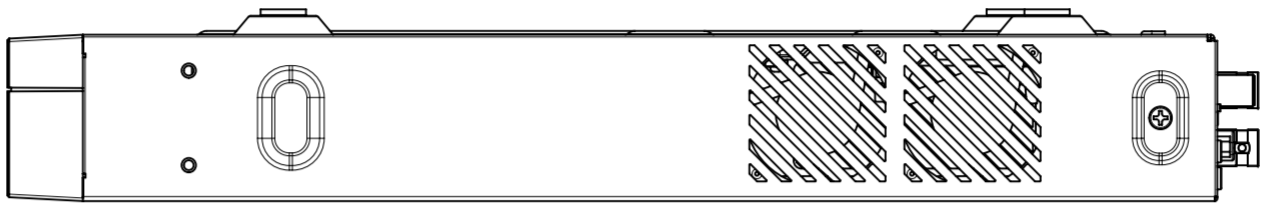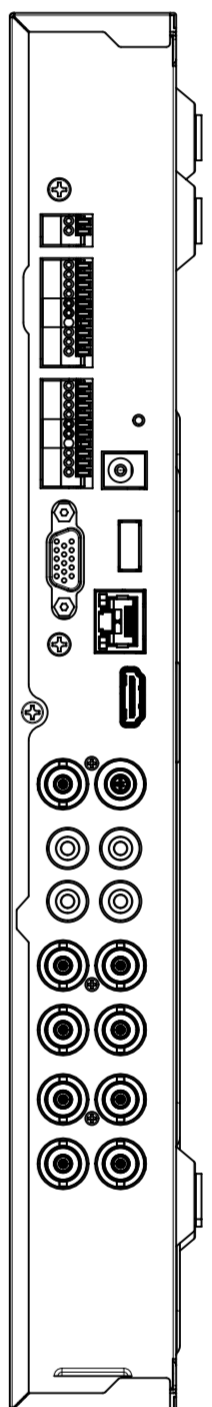|		
Record	Compression	H.265, H.264, MJPEG
	Record Rate(Analog)	Analog Camera(NTSC/PAL) (Main Stream) 8MP 8fps/CH, 5MP 12fps/CH, 4MP 15fps/CH, 2MP 30fps/CH, 720p 30fps/CH, SD 30fps/CH (Sub Stream) 720p or higher : 640x360 30fps/CH, SD : 30fps/CH * The maximum recording frame rate depends on the frame rate of the input camera.
	Recording Bandwidth	Maximum 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	Maximum 32Mbps (10CH simultaneously)
	User	Maximum 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(Maximum 12TB)
Backup	File Backup	BU, EXE(Include Player), AVI(Webviewer only)
	Function	Maximum 10 CH play, Date-time/title display

Functions

PTZ	Control	Via GUI, Wisenet WAVE, Webviewer, SSM, SmartViewer, Wisenet Mobile Viewer, System controller
Smart Phone	Supported OS	iOS, Android

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		Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)
		Control	Live(8CH) : Multi-Profile Support Playback(4CH Multi Playback, Maximum 2MP) Event push
		Maximum 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	Maximum 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	Approximately 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

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Transmission Speed		Analog Camera(NTSC/PAL) (Main Stream) 8MP 8fps/CH, 5MP 12fps/CH, 4MP 15fps/CH, 2MP 30fps/CH, 720p 30fps/CH, SD 30fps/CH (Sub Stream) 720p or higher : 640x360 30fps/CH, SD : 30fps/CH * The maximum recording frame rate depends on the frame rate of the input camera.
Transmission Bandwidth		Maximum 20Mbps
Audio	Input/Output	8 Line in / 1 Line out
	Compression	G.711 (N/W Cam G.711, 726)
	Audio Communication	2-Way
Maximum 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		Wisenet WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile. Supports SDK/CGI(SUNAPI) for integration to 3rd party VMS

- The lastest product information / specification can be found at hanwhasecurity.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin , formerly known as Samsung Techwin.

370.0 [14.57]

44.0 [1.73]

50.7 [2.00]

320.0 [12.60]

330.8 [13.02]

Appearance drawing HRX-820
Unit : mm[inches]

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