

HRX-434

4CH Pentabrid DVR



Key Features

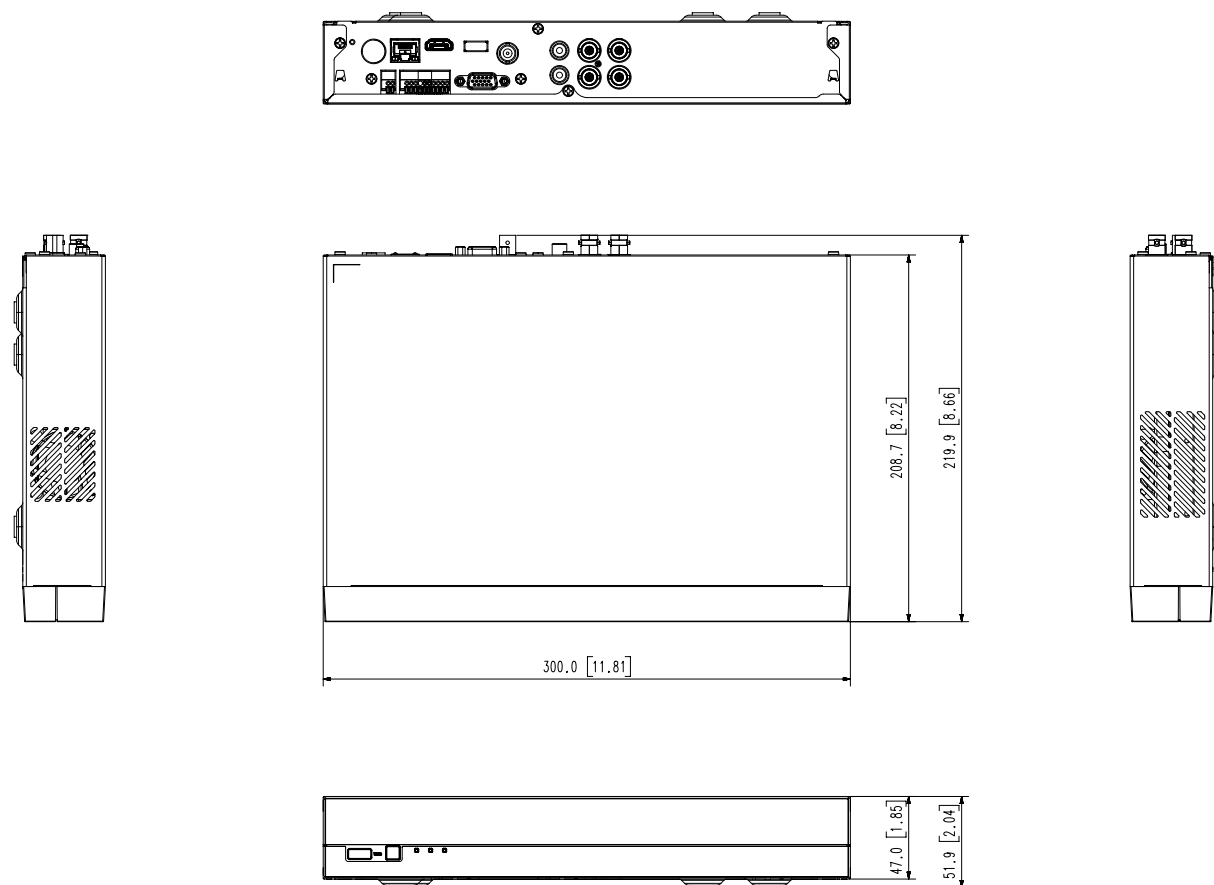
- 5-in-1 4CH Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- Up to 6CH (Analog 4CH or NW 6CH), up to 8MP
- H.265, H.264, MJPEG codec
- 8fps@8MP, 12fps@5MP recording
- Coaxial control
- Up to 1 SATA HDDs(6TB/HDD)
- HDMI/VGA Dual monitor
- P2P service (QR code connect)

Display		
Analog camera	Inputs	4CH(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. 6CH
	Resolution	8MP ~ CIF
	Protocols	SUNAPI(Wisenet), ONVIF
Live	Local Display	1x HDMI, 1x VGA (simultaneous output) HDMI: 3840 x 2160, 2560x1440, 1920x1080, 1280x1024, 1280x720 VGA: 1920x1080, 1280x1024, 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(120fps)
Performance		
Record	Compression	H.265, H.264, MJPEG
	Record Rate(Analog)	Analog Camera) (Main Stream) 8MP 8/8fps, 5MP 12/12fps, 4MP 15/12fps, 2MP 30/25fps, 720p 30/25fps, 960H/640H 30/25fps (NTSC/PAL per CH) (Sub Stream) 720p or higher : 640x368 full fps/CH, SD signal : upto CIF full fps/CH * The maximum recording frame rate depends on the frame rate of the input camera.
	Recording Bandwidth	Max. 30Mbps
	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, Dynamic camera event
	Event Action	E-mail, PTZ preset, Alarm out, Buzzer, Monitor out
Search & Play	Playback Bandwidth	Max. 32Mbps (6CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	6CH(Local Monitor, CMS, Wisenet Mobile) 1Ch(Web)
	Fisheye Dewarping	WEB / CMS
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 1ea(Max 6TB)
Backup	File backup	BU, EXE(Include Player), AVI(Webviewer only)
	Function	Max. 6 CH play, Date-time/title display
Functions		
PTZ	Control	Via GUI, Webviewer, Wisenet WAVE, SSM, SmartViewer, Wisenet Mobile Viewer, System Controller

Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)
	Control	Live(4ch) : 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		4CH In / 1CH Out(Spot Output)
Audio		Out(1EA, RCA, Line)
Ethernet		RJ-45(10/100 BASE-T)
Alarm		In 4EA, Out 1EA - Relay Out1(NO/NC/COM)
USB		2EA(Front/Rear USB2.0)
Serial(Protocols)		RS-485 (Samsung-T/Pelco-D/Pelco-p) * for PTZ
Power inlet		1EA DC Input Jack
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		DC12V
Power Consumption		Max. 22W (6T HDD 1ea)
Mechanical		
Color / Material		Black / Metal
Dimension (WxHxD)		300 x 47 x 208.7mm (11.85" x 1.89" x 8.22")
Weight		Approx. 1.5Kg (3.30 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) (Main Stream) 8MP 8/8fps, 5MP 12/12fps, 4MP 15/12fps, 2MP 30/25fps, 720p 30/25fps, 960H/640H 30/25fps (NTSC/PAL per CH) (Sub Stream) 720p or higher : 640x368 full fps/CH, SD signal : upto CIF full fps/CH * The maximum recording frame rate depends on the frame rate of the input camera.
Transmission Bandwidth		Max. 32Mbps
Audio	Input/Output	1 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		Wisenet WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile, Support SDK/ CGI(SUNAPI) for integration to 3rd 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-434
Unit : mm[inches]