

HRX-434

4CH Pentabrid DVR

Key Features

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

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Specifications

Display

Analog camera	Inputs	4CH(1Vp-p 75ohm, BNC)
	Signal Type	AHD(8MP, 5MP, 4MP, 1080p, 720p) HDTVI(8MP, 5MP, 4MP, 1080p, 720p) HDCVI(8MP, 5MP, 4MP, 1080p, 720p) CVBS(NTSC/PAL)
Network camera	Inputs	Additional 2CH (Up to 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(240fps)

Performance

Record	Compression	H.265, H.264, MJPEG
	Record Rate(Analog)	(Main Stream) 8MP 8/8fps, 5M 12/12fps, 4M 15/12fps, 2M 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
	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

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Performance

Search & Play	Playback Bandwidth	Max. 32Mbps (6CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	6CH(Local Monitor),6Ch (CMS), 4Ch (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

Function

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(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	1 EA
VGA	1 EA
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, Romanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai

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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 (6TB HDD 1ea)

Mechanical

Color / Material	Black / Metal
Dimension	300.0x 47.0 x 208.7 mm (11.85 x 1.89 x 8.22 inch)
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		Hanwha DDNS
Transmission speed		Analog Camera) (Main Stream) 8MP 8/8fps, 5M 12/12fps, 4M 15/12fps, 2M 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	4 Lline in / 1 Line out
	Compression	G.711 (N/W Camera 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 Vision Root CA)
Viewer Software		SSM, Webviewer, Smart Viewer, Wisenet mobile

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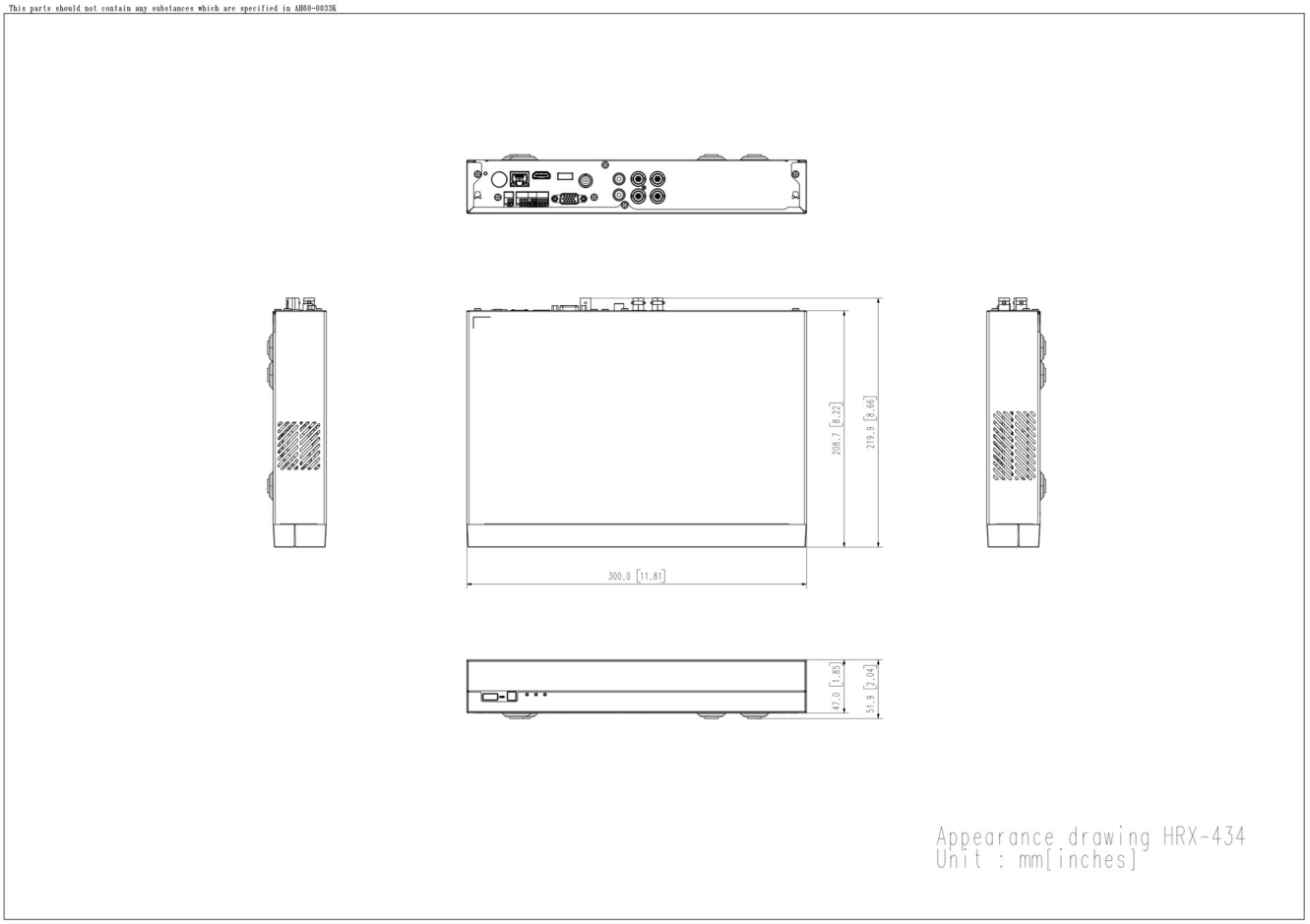
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CAD

Unit: mm [inch]



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