HRX-1634

16CH Pentabrid DVR

Key Features

- 5-in-1 16CH Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- Total 18CH(Analog Maximum 16CH and Network Maximum 18CH), up to 8MP
- H.265, H.264, MJPEG
- 8fps@8MP, 12fps@5MP, 15/12fps@4MP, 30/25fps@2MP recording
- Coaxial control
- Smart search(only Network camera)
- Up to 2 SATA HDDs(6TB/HDD)
- HDMI/VGA Dual monitor (Expand mode)
- P2P service(QR code connect)

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Specifications

Display

Analog camera	Inputs	16CH(1Vp-p 75ohm, BNC)
	Signal Type	- AHD(8MP, 5MP, 4MP, 1080p, 720p) - HDTVI(8MP, 5MP, 4MP, 1080p, 720p) - HDCVI(8MP, 5MP, 4MP, 1080p, 720p) - NTSC/PAL
Network camera	Inputs	2CH (Up to 18CH)
	Resolution	8MP ~ CIF
	Protocols	SUNAPI(Wisenet), ONVIF
Live	Local Display	1x HDMI, 1x VGA (Dual monitor) HDMI: 3840 x 2160, 2560x1440, 1920x1080, 1280x1024, 1280x720 VGA: 1920x1080, 1280x1024, 1280x720, 1024x768
	Multi Screen Display	[Local monitor] Dynamic layout/Sequence, [Web] 1/2V/2H /3V/4/6/1+5/1+7/9/sequence
	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] - 2MP(up to 30fps/CH)

Performance

Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Record Rate(Analog)	(Main Stream, NT/PAL) 8M 8/8fps, 5M 12/12fps, 4M 15/12fps, 2M 30/25fps, 720p 30/25fps, Under 960H 30/25fps/CH (Sub Stream) 720p/CH or Higher : 640x368 Full fps, SD : up to SD Full fps * The maximum recording frame rate depends on the frame rate of the input camera.
	Recording Bandwidth	Max. 128Mbps
	Resolution	8MP ~ CIF
	Mode	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
	Event Trigger	Alarm Input, Video Loss Analog Camera : Video Loss, Motion Detection,Tampering Network Camera : Camera Event(Sensor, MD, Video Analytics, Defocus, Audio), Dynamic Event, User Event
	Event Action	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out, FTP, SUNAPI Command, Shutdown

Search & Play	Playback Bandwidth	Max. 32Mbps (18CH simultaneously)
	User	Max. 4 users (Set 1, Remote 3)
	Simultaneous playback	18CH(Local Monitor),18Ch (CMS), 4Ch (Wisenet Mobile), 1Ch(Web)
	Fisheye Dewarping	CMS (only N/W Camera)
	Mode	Date & Time (Calendar) / Event log list / Text search (POS), Export, Smart search (Virtual Line w/ direction, Enter / Exit), ARB search, Bookmark search
	Resolution	8MP ~ CIF
	Playback Control	Fast Forward/Backward (x2,x4,x8,x16,x32,x64, x128, x256) Slow Forward/Backward (x1/2,x1/4,x1/8) ※Move one step up/down
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 2ea(Max. 12TB)
Backup	File backup	Set : Recorder, SEC, AVI Webviewer : AVI
	Function	Max. 16 CH play, Date-time/title display

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 (Sub Stream) 720p or higher : 640x368 full fps/CH, SD signal : up to CIF full fps/CH * The maximum recording frame rate depends on the frame rate of the input camera.
Transmission Bandwidth	Max. 100Mbps

Audio	Input/Output	4 Line 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)

Web viewer	Supported OS	Windows 10, Mac OS 11 Big Sur and later
	Supported browser	Chrome v99 or later, Edge v99 or later, Safari v14.0.3 or later (as of March 2022)

Viewer Software	SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer, Wisenet Viewer

Functions

Camera Setup	Register	Auto, Manual
PTZ	Control	Via GUI, Webviewer, SSM, SmartViewer, Wisenet Mobile Viewer, System Controller
	Preset	300 presets
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)
	Control	Live(16ch) : 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	

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
Hanwha Vision is formerly known as Hanwha Techwin.

Interface

Front	Indicator	LED(Status indicator) : Power(1), HDD Action(1), Alarm(1), Record(1), Network(1), Backup(1)
Reset	Switch(1EA)	
HDMI	1EA	
VGA	1EA	
BNC	16CH In / 1CH Out(Spot Output)	
Audio	Out(1EA, RCA, Line)	
Ethernet	RJ-45(10/100/1000BASE-T)	
Alarm	In 16EA, Out 4EA - Relay Out1(NO/NC/COM) - Relay Out2~4(NO/COM)	
USB	3EA(Front 2ea USB2.0, Rear USB 3.0))	
Serial(Protocols)	RS-485 (Samsung-T/Pelco-D/Pelco-p) * for PTZ	
Power inlet	1EA AC (AC100V)	

System

Log	Log List	Max. 100,000 (System Log, Event Log each), (HRX-1632)
System Control	Mouse, Webviewer, System Controller(SPC-7000, SPC-6000, SPC-2000, SPC-2001)	
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	

Environmental

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

Electrical

Power Input	DC12V
Power Consumption	Max. 40W (6T HDD 2ea)

Mechanical

Color / Material	Black / Metal
Dimension (WxHxD)	W370.0x H44.0 xD320(14.57" x 1.73" x12.6")
Weight	Approx. 2.9Kg (6.4 lb, 4TB HDD 1ea)

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CAD

This parts should not contain any substances which are specified in AH60-0033K

320.0 [12.60]

330.8 [13.02]

370.0 [14.57]

44.0 [1.73]

50.7 [2.00]
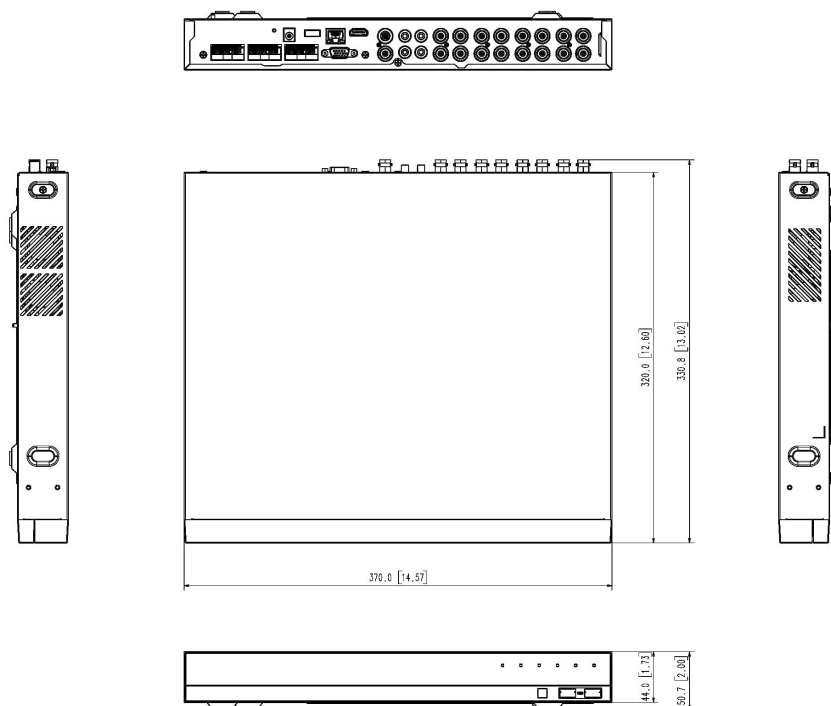
Appearance drawing HRX-1634
Unit : mm[inches]