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) CVBS(NTSC/PAL)
Network camera	Inputs	Additional 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
	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

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 (Local 1, Remote 3)
	Simultaneous playback	18CH(Local Monitor),18Ch (CMS), 4Ch (Wisenet Mobile), 1Ch(Web)
	Fisheye Dewarping	CMS (only N/W Camera)
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 2ea(Max 12TB)

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Performance

Backup	File backup	Set : Recorder,SEC, AVI Webviewer : AVI
	Function	Max. 16 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(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

Interface

HDMI	1 EA
VGA	1 EA
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 USB2.0 2ea , Rear USB 3.0 1ea)
Serial(Protocols)	RS-485 (Samsung-T/Pelco-D/Pelco-p) * for PTZ
Power inlet	1EA AC

System

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 (6TB HDD 2ea)

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Mechanical

Color / Material	Black / Metal
Dimension	370.0 x 44.0 x 320.0 mm (14.57 x 1.73 x 12.6 inch)
Weight	Approx. 2.9Kg (6.4 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(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 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, SmartViewer, Wisenet Mobile Viewer, Wisenet Viewer

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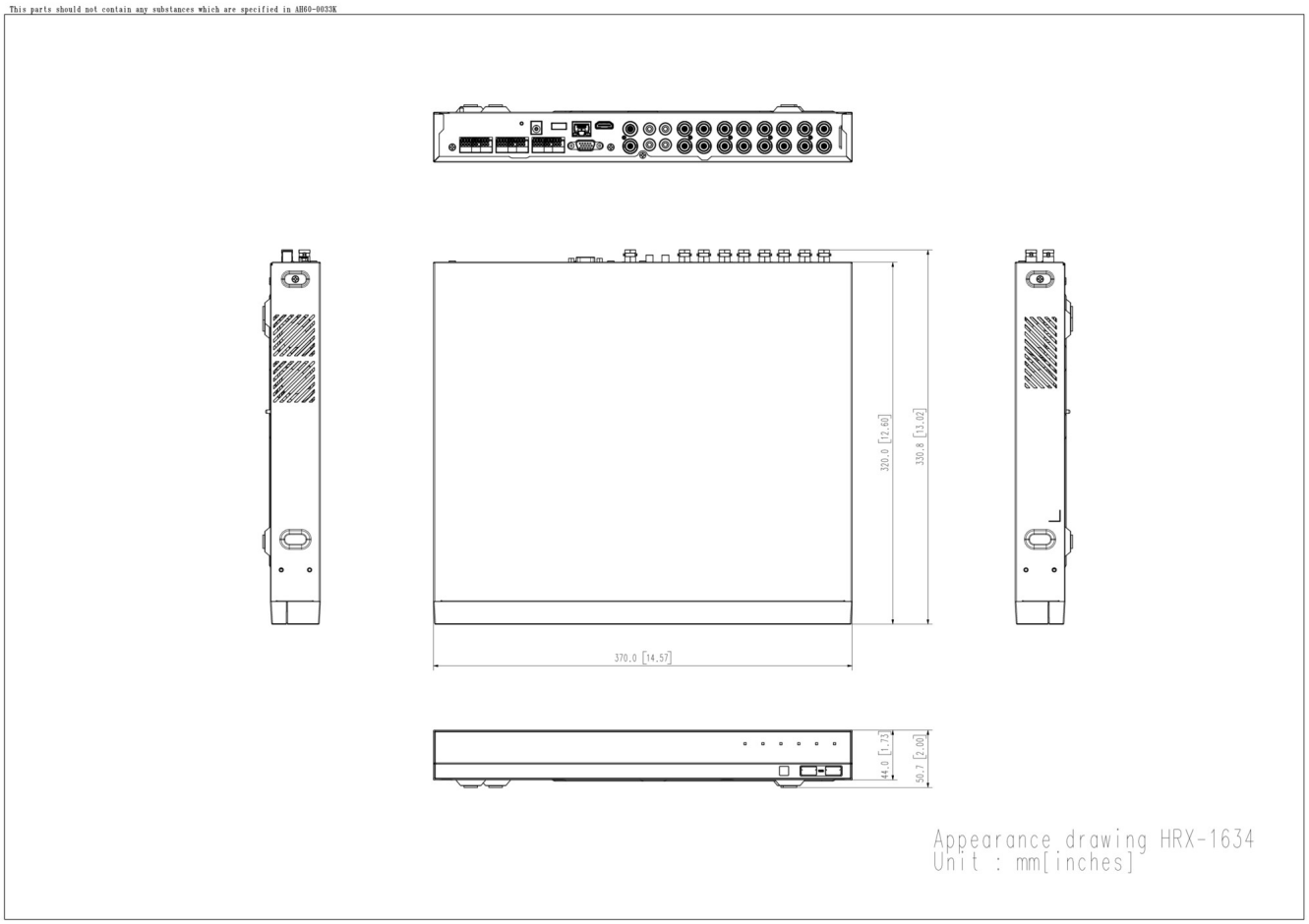
CAD

Unit: mm [inch]



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