

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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16CH Pentabrid DVR



Specifications

Dicplay		
Display		4.61/44 75 1 20:5
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
	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(480fps)
Performance		
	Compression	H.265, H.264, MJPEG
Record	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: upto 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, Shotdown
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)



HDD Slot		Supported HDD	Up to 6TB	
Pacition	Storage	HDD Slot	SATA 2ea(Max. 12TB)	
Functions PTZ Cantrol Support Model Protocol Support RTP, RTSP, HTTP, CGI(SUNAPI) Smart phone Redundancy ARB Support Model Max. Remote Users Search(3), Live Unicast(10) Max. Remote Users Search(3), Live Unicast(10) Max. Remote Users Search(3), Live Unicast(10) Redundancy ARB Support Setsy 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 NGA 16CH In / SCH Out/Spot Output) Audio Out/1EA RCA, Line) Ethernet RJ-45(10/100/10008ASE-T) H 16EA, Out 45A - Relay Out2-4(NO/COM) - Relay Out2-4(NO/COM) - Relay Out2-4(NO/COM) Serial/Protocols) RS-483 (Samsung-T/Pelco-D/Pelco-p) * for PTZ Power inlet Environmental Operating Humidity Certification OUt CE FCC, KC, UKCA Bell Consumption Max. 40W (6T HDD Zea) Mechanical	Backup	File backup		
PTZ Control Support Model Protocol Support RTP, RTSP, HTTP, CGJ(SUNAPI) Smart phone Control Protocol Support RTP, RTSP, HTTP, CGJ(SUNAPI) Smart phone Control Max. Remote Users Search(3), Live Unicast(10) Redundancy ARB Support Search(3), Live Unicast(10) Setup Wizard (Language Date/Time, Password, Network, Auto Camera Configuration), P2P (QR code) Coaxial Control CVBS(Pelco-C)/AHD/CVI/TVI Interface HDMI 1EA Suport Start Suport S		Function	Max. 16 CH play, Date-time/title display	
PTZ Control Support Model Protocol Support RTP, RTSP, HTTP, CGI(SUNAPI) Smart phone Control RTP, RTSP, HTTP, CGI(SUNAPI) Smart phone Control RAW, Remote Users Seach(3), Live Unicast(10) Redundancy ARB Support Search (3), Live Unicast(10) Redundancy ARB Support Search (3), Live Unicast(10) Search (3), Live Unicast(10) Redundancy ARB Support Search (3), Live Unicast(10) Redundancy Search (3), Liv	Functions			
Support Model Support Model Support Model Support Model Protocol Support RTP, RTSP, HTTP, CGI(SUNAPI)			Via GUI. Webviewer. SSM. SmartViewer. Wisenet Mobile	
Smart phone Protocol Support RTP, RTSP, HTTP, CGI(SUNAPI)	PTZ	Control		
Smart phone Control ARR Max. Remote Users ARB Support Search(3), Live Unicast(10) Redundancy ARB Setup Witzard (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 16CH In / 1CH Out(Spot Output) Audio Out(1EA RCA, Line) Ethernet Alarm In 16EA Out 4EA Alarm In 16EA Out 4EA Alarm In 16EA Out 4EA - Relay Out2*(MO/NC/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 System System System Control Mouse, Webviewer, System Controller(SPC-7000, SPC-6000, SPC-2000) English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Japanese, Thal Environmental Operating Temperature Operating Humidity 20% - 85% RH Electrical Power Input Dectrical Mex-hanical		Support Model	iOS, Android	
Control Playback (Ach Multi Playback, Max 2MP) Event purb		Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)	
Redundancy 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 16CH In / 1CH Out(Spot Output) Audio Out(1EA RCA Line) Ethernet RJ-45(10/100/1000BASE-T) In 16EA Out 4EA - Relay Out1/(NO/NC/COM) Serial(Protocols) RS-485 (Samsung-T/Pelco-D)/Pelco-p) *for PTZ Power Inlet Experiment System System Control Mouse, Webviewer, System Controller (SPC-7000, SPC-2000) English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai Electrical Electrical Mouse, Web (H HDD 2ea) Mechanical	Smart phone	Control	Playback(4Ch Multi Playback, Max 2MP)	
Easy configuration Coaxial Control CVBS(Pelco-C)/AHD/CVI/TVI Interface HDMI 1EA VGA 1EA BNC 16CH In / 1CH Out(Spot Output) Audio Out1EA RCA Line) Ethernet R.J-45(10/100/1000BASE-T) Alarm In 16EA Out 4EA - Relay Out2-4(NO/COM) System System Control Mouse, Webviewer, System Controller(SPC-7000, SPC-2000) English, French, German, Italian, Spanish, Russian, Turkish, Pollish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Language Departing Temperature Operating Temperature Operating Temperature Operating Hunidity Cettical Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical		Max. Remote Users	Search(3), Live Unicast(10)	
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HDMI	Coaxial Control	CVBS(Pelco-C)/AHD/CVI/TVI		
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 Out2-4(NO/COM) VSB 3EA(Front 2ea USB2.0, Rear USB3.0)) Serial(Protocols) RS-485 (Samsung-T/Pelco-D/Pelco-p) * for PTZ Power inlet 1EA AC (AC100V) System System System Control Mouse, Webviewer, System Controller(SPC-7000, 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, UKCA Electrical Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical	Interface			
BNC 16CH In / 1CH Out(Spot Output) Audio Out(1EA, RCA, Line) Ethernet R.J-45(10/100/1000BASE-T) Alarm In 16EA, Out 4EA, Relay Out2, (NO/COM) Loss 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 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, UKCA Electrical Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical	HDMI	1EA		
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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 O°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	Serial(Protocols)	RS-485 (Samsung-T/Pelco-D/Pelco-p) * for PTZ		
System Control Mouse, Webviewer, System Controller (SPC-7000, SPC-6000, SPC-2000) 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 O°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	Power inlet	1EA AC (AC100V)		
System Control Mouse, Webviewer, System Controller(SPC-7000, SPC-6000, SPC-2000) 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 O°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	System			
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Operating Temperature O°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	Language	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese,		
Operating Humidity Certification UL, CE, FCC, KC, UKCA Electrical Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical	Environmental			
Certification UL, CE, FCC, KC, UKCA Electrical Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical	Operating Temperature	0°C to +40°C(+32°F to +104°F)		
Electrical Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical	Operating Humidity	20% ~ 85% RH		
Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical	Certification	UL, CE, FCC, KC, UKCA		
Power Input DC12V Power Consumption Max. 40W (6T HDD 2ea) Mechanical	Electrical			
Mechanical	Power Input	DC12V		
	Power Consumption	Max. 40W (6T HDD 2ea)		
Color / Material Black / Metal	Mechanical			
	Color / Material	Black / Metal		





Dimension (WxHxD)	W370.0x H44.0 xD320(14.57" x 1.73" x12.6")		
Weight	Approx. 4.5Kg (9.9 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(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: upto CIF full fps/CH * The maximum recording frame rate depends on the frame rate of the input camera.		
Transmission Bandwidth	Max. 100Mbps		
	Input/Output	4 Line in / 1 Line out	
Audio	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 Techwin Root CA)		
Viewer Software	SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer, Wisenet Viewer		



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CAD Unit:mm [inch]

