



## **HRX-835A**

8CH Pentabrid DVR



### **Key Features**

- 5-in-1 8CH Pentabrid DVR
- AHD/HDTVI/HDCVI/CVBS/IP inputs
- Total 10CH(Analog Maximum 8CH and Network Maximum 10CH), up to 8MP
- H.265, H.264, MJPEG codec
- 8fps@8MP, 12fps@5MP, 15/12fps@4MP, 30/25fps@2MP recording
- Coaxial control
- Up to 4 SATA HDDs(6TB/HDD)
- HDMI/VGA Dual monitor (Expand mode)
- P2P service (QR code connect)



# **HRX-835A**

### 8CH Pentabrid DVR



### **Specifications**

Display		
Analog camera	Inputs	8CH(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	2CH (Up to 10CH)
	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	[Ananlg 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		
	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. 80Mbps
	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 (10CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	10CH(Local Monitor), 10Ch (CMS), 4Ch (Wisenet Mobile), 1Ch(Web)
	Fisheye Dewarping	CMS (only N/W Camera)
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 4ea(Max 24TB)

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Functions  PTZ  Control  Via GUI, Webviewer, System Controller  PTO CONTROL   Via GUI, Webviewer, System Controller  Support Model   IOS, Android   IOS, Android   Protocol Support   IOS, Android   Protocol Support   IOS, Android   Protocol Support   IOS, Android   Protocol Support   IOS, Android   IoS, Indian, Protocol   IoS, Android   IoS, Indian, Protocol   IoS, Indian, Protocol   IoS, Android   IoS, Indian, Protocol   IoS, Indian,	Backup	File backup	Set : Recorder, SEC, AVI Webviewer : AVI		
PTZ Control Via GU, Webviewer, SSM, SmartViewer, Wisenet Mobile Viewer, System Controller  Support Model 105, Android 107,		Function	Max. 10 CH play, Date-time/title display		
Support Model   IOS, Android   IOS	Functions				
Protocol Support   RTP, RTSP, HTTP, CGI(SUNAPI)	PTZ	Control			
Smart phone   Control   Control   Playback (Ach Multi Playback (Max 2MP)		Support Model	iOS, Android		
Control   Playback/4Ch Multi Playback, Max 2MP  Event push		Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)		
Redundancy         ARB         Support           Easy configuration         Setup Wizard (Language Date/Time, Password, Network, Auto Camera Configuration), P2P (QR code)           Coaxial Control         CVBS(Pelco-C)/AHD/CV/TVI           Interface         HDM         1EA           WGA         1EA           BNC         8CH In / 1CH Out(Spot Output)           Audio         Out1(1EA RCA Line)           Ethernet         RJ-45(10/100/1000BASE-T)           In 18 EA, Out 4EA	Smart phone	Control	Playback(4Ch Multi Playback, Max 2MP)		
Easy configuration         Setup Wizard (Language Date/Time, Password, Network, Auto Camera Configuration), P2P (QR code)           Coxial Control         CVBS(Pelco-C)/AHD/CVI/TVI           Interface         HDMI         1EA           VGA         1EA           WCA         8CH In / 1CH Out(Spot Output)           Audio         0url1EA, RCA, Line)           Ethernet         RJ-4510/100/1000BASE-T)           Alarm         In BEA, Out 4EA - Pelay, Out2-4(NO/COM) - Relay Out2-4(NO/COM)           USB         2EA(Front USB.20, Rear USB.3.0))           Serial(Protocols)         RS-485/422 (Samsung-T/Pelco-D/Pelco-p) * for PTZ           Power inlet         1EAAC           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, Rumarian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai           Environmental         Operating Temperature         0°C to +40°C(+32°F to +104°F)           Operating Temperature         0°C to +40°C (+32°F to +104°F)           Operating Temperatur		Max. Remote Users	Search(3), Live Unicast(10)		
Coxial Control         CVBS(Pelco-C)/AHD/CVI/TVI           Interface         HDMI         1EA           VGA         1EA           WGA         1EA           BNC         8CH In / 1CH Out(spot Output)           Audio         Out(1EA RCA, Line)           Ethernet         R1-45(10/100/1000BASE-T)           Alarm         - Relay Out.1(NO/C/COM) - Relay Out.2-(MO/COM)           USB         2EA(Front USB2.0, Rear USB 3.0))           Serial(Protocols)         RS-485/422 (Samsung-T/Pelco-D/Pelco-p) * for PTZ           Power inlet         1EA AC           System         System Control           Mouse, Webviewer, System Controller(SPC-7000, SPC-2000)         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 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         100-240 VAC±10%, 50/60 Hz           Power Input         Max. 100W (6T HDD 4ea)           <	Redundancy	ARB	Support		
HDMI	Easy configuration	Setup Wizard (Language Date/	Time, Password, Network, Auto Camera Configuration), P2P (QR code)		
HDMI	Coaxial Control	CVBS(Pelco-C)/AHD/CVI/TVI			
VGA         1EA           BNC         8CH In / 1CH Out(Spot Output)           Audio         Out(1EA RCA Line)           Ethernet         RJ-45(10/100/1000BASE-T)           Alarm         In 8EA, Out 4EA - Relay Out(INO/NC/COM) - Relay Out2-4(NO/COM)           - Relay Out (INO/NC/COM) - Relay Out2-4(NO/COM)           - Relay Out2-4(NO/COM)           USB         2EA(Front USB2.0, Rear USB 3.0))           Serial(Protocols)         RS -485/422 (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)           English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguesc 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 Temperature         0°C to +40°C(+32°F to +104°F)           Operating Humidity         20% ~ 85% RH           Certification         UL, CE, FCC, KC, UKCA           Electrical         Po	Interface				
BNC	HDMI	1EA			
Audio         Out(1EA RCA Line)           Ethernet         RJ-45(10/100/1000BASE-T)           In 8EA Qut 4EA         Relay Out(No/NC/COM)           - Relay Out2-4(NO/COM)         Relay Out2-4(NO/COM)           USB         2EA(Front USB2,0, Rear USB 3.0))           Serial(Protocols)         RS-485/422 (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)           Language         English, French, Gernan, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese Danish, Rumaniann, 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         100-240 VAC±10%, 50/60 Hz           Power Consumption         Max. 100W (6T HDD 4ea)           Mechanical           Color / Material         Black / Metal           Dimension (WxHxD)         440 x 88 x 384.8mm(17.32° x 3.46° x 15.15°)           Weight         Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)           Network	VGA	1EA			
Ethernet RJ-45(10/100/1000BASE-T)  Alarm In 8EA, Out 4EA - Relay Out2-4(NO/COM)  USB 2EA(Front USB2.0, Rear USB 3.0))  Serial(Protocols) RS-485/422 (Samsung-T/Pelco-D/Pelco-p) * for PTZ  Power inlet 1EA AC  System  System Ontrol Mouse, Webviewer, System Controller(SPC-7000, SPC-6000, SPC-2000)  English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguest 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 100-240 VAC±10%, 50/60 Hz  Power Consumption Max. 100W (6T HDD 4ea)  Mechanical  Color / Material Black / Metal  Dimension (WxHxD) 440 x 88 x 384.8mm(17.32" x 3.46" x 15.15")  Weight Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)  Network  Postagel TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP,	BNC	8CH In / 1CH Out(Spot Output)			
In BEA, Out 4EA	Audio	Out(1EA, RCA, Line)			
Alarm - Relay Out.1(NO/NC/COM) - Relay Out.2-4(NO/COM)	Ethernet	RJ-45(10/100/1000BASE-T)			
Serial(Protocols)  RS-485/422 (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)  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  100~240 VAC±10%, 50/60 Hz  Power Consumption  Max. 100W (6T HDD 4ea)  Mechanical  Color / Material  Dimension (WxHxD)  440 x 88 x 384.8mm(17.32" x 3.46" x 15.15")  Weight  Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)  Network  Powered TCP/IP, UDP/IP, RTP (UDP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP,	Alarm	- Relay Out1(NO/NC/COM)			
Power inlet  1EA AC  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 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  100-240 VAC±10%, 50/60 Hz  Power Consumption  Max. 100W (6T HDD 4ea)  Mechanical  Color / Material  Dimension (WxHxD)  440 x 88 x 384.8mm(17.32" x 3.46" x 15.15")  Weight  Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)  Network  Powered Consumption Figure 1. The proper of the pr	USB	2EA(Front USB2.0, Rear USB 3.0))			
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 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  100-240 VAC±10%, 50/60 Hz  Power Consumption  Max. 100W (6T HDD 4ea)  Mechanical  Color / Material  Dimension (WxHxD)  440 x 88 x 384.8mm(17.32" x 3.46" x 15.15")  Weight  Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)  Network  Powered Controller (SPC-7000, SPC-6000, SPC-2000)  Methonical  Color / Material  Dimension (WxHxD)  Network  Powered Controller (SPC-7000, SPC-6000, SPC-2000)  Mouse, Webviewer, System Controller (SPC-7000, SPC-6000, S	Serial(Protocols)	RS-485/422 (Samsung-T/Pelco-D/Pelco-p) * for PTZ			
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Power Input  100~240 VAC±10%, 50/60 Hz  Power Consumption  Max. 100W (6T HDD 4ea)  Mechanical  Color / Material  Dimension (WxHxD)  440 x 88 x 384.8mm(17.32" x 3.46" x 15.15")  Weight  Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)  Network  Protocol  TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP,	Certification	UL, CE, FCC, KC, UKCA			
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Weight Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)  Network  TCP/IP, UDP/IP, RTP (UDP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP,	Color / Material	Black / Metal	Black / Metal		
Network  TCP/IP, UDP/IP, RTP (UDP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP,	Dimension (WxHxD)				
TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), PPPoE, SMTP, ICMP,	Weight	Approx. 7.1Kg (15.7 lb, 4TB HDD 1ea)			
	Network				
	Protocol				

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DDNS	Wisenet DDNS	
Transmission speed	Analog Camera (Main Stream) 8MP 8/8fps CH, 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. 64Mbps	
Audio	Input/Output	8 Lline in (RCA 4 Line, Option : Audio Extension Cable) / 1Line 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 Techwin Root CA)	
Viewer Software	SSM, Webviewer, SmartViewer, Wisenet Mobile Viewer, Wisenet Viewer	