Hanwha Vision

XRP-4310DB4

128CH SSM Recording Server

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Key Features

· Intel Core i7-8700T
· SSM Preinstalled
· Up to 32MP Camera supported
· Server Clustering Support - Max. 132CH
· Recording Bandwidth: Max. 400Mbps
· Playback/Search Bandwidth: Max. 150Mbps
· 16 Bay Support − Enterprise HDD
· Hot Swap Support - Volume 2ea
· 2 HDMI port Support
· RAID 1 / 5 / 6 / 10 / 50 Support
· Redundant Power Support
· Windows 10 IoT Enterprise LTSC on M.2 SSD
· AI Event (Face, Appearance, Face mask, Vehicle) Trigger

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128CH SSM Recording Server

Specifications

Display

Network camera	Inputs	Max. 128CH (※ If clustering, 132CH)
	Resolution	32MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	Dual if Full HD monitor Single if UHD monitor
	Multi Screen Display	1/4/9/16/25/36/49/64/72/81/100/121/132/Custom/Auto Mode
	Resolution	1920fps@640x360 (128 division) 2160fps@720p (72 division) 1080fps@1080p (36 division)

Performance

Operating System	Embedded	Windows 10 IoT Enterprise LTSC (SSM preinstalled)
Record	Compression	H.265, H.264, MJPEG, WiseStream(H.264, H.265)
	Recording Bandwidth	Max. 400Mbps
	Resolution	32MP ~ CIF
	Mode	Normal, Schedule (Continuous / Event), Event (Pre / Post), Event Profile, ARB, Dual-Track
	Event Trigger	Video loss, Camera event(Sensor, MD, Passing, Entering, Exiting, Disappearing (Appearing), Tampering, Tracking, Face Detection, Audio Detection, ANPR, Bestshot), AI Event (Face, Appearance, Face mask, Vehicle)
	Event Action	Instant Viewer, Preset, Alarm Out, Pop-up, Sound and E-mail notification
Search & Play	Playback Bandwidth	Max. 150Mbps
	User	Max. 1024 Users (132Ch concurrently)
	Simultaneous playback	Max. 128ch (1080p/720p) ※ if Clustering, 132CH
	Fisheye Dewarping	Console
Storage	Supported HDD	Up to 12TB
	HDD Slot	SATA 16ea (3.5" 16ea Hot Swap - Volume 2ea) Enterprise HDD (6TB,8TB,10TB,12TB)
	RAID	1/5/6/10/50
Backup	File backup	AVI, SEC
	Function	Manual Backup, Onetime Schedule Backup , Schedule Backup , Privacy Masking Backup

Network

Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, SNMP(Client), HTTPS, ONVIF (Profile-S), SUNAPI(Client)
DDNS	Wisenet DDNS

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.

Audio	Input/Output	128CH(network)
	Compression	G.711 u-law(PCM), G723, G726(ADPCM), AAC
	Audio Communication	2-Way
Max Remote Users	1024 (Tested)	
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log Device Certificate(Hanwha Techwin Root CA)	
Viewer Software	SSM Client, SSM Mobile	

Functions

Camera Setup	Item	Automatic device IP scanning, Add profile edit, Resolution, Fisheye dewarping mode, Hallway View Setup, Brightness/Contrast, Viewing the device settings(Device webpage), Exporting/Importing devices settings,, Updating the device firmware
PTZ	Control	Via GUI, Controller (SPC-2000, SPC-7000)
	Preset	300
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI)
	Control	Live(Multi-Profile Support), Playback
	Max. Remote Users	Max. 1024 Users (132Ch concurrently)
Redundancy	Failover	Active&Active, Active-Standby
	ARB	Support

Interface

Front	Indicator	LED(Status Indicator) POWER, NETWORK, HDD, RECORD, BACKUP, ALARM
HDD Key Lock	Yes	
HDMI	2EA	
Audio	USB	
Ethernet	Gigabit Ethernet RJ-45 (1000 Base-T) 3ea	
USB	4EA(USB 3.0 2ea, USB 2.0 2EA)	
Power inlet	AC 2EA	

System

System Control	Mouse, Keyboard
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, Vietnamese

Environmental

CPU	Intel Core i7-8700T
RAM	16GB RAM
OS HDD	M.2 SSD 128Gb
Operating Temperature	+0°C to +40°C(+32°F to +104°F)
Operating Humidity	Less or equal to 80%

Electrical

Power Input	100 ~ 240VAC, 50 ~ 60Hz
Power Consumption	285W Dual

Mechanical

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Color / Material	Black / Metal
Dimension (WxHxD)	440.0 x 132.0 x 548.1mm (Including Cover: 571.1mm)
Weight	14.05kg (w/o HDD)