



PRN-6400B4

64CH AI NVR



Key Features

- Up to 8K (32MP) Resolution
- AI search (BestShot, Attribute)
- Object detection and classification
- SATA 16ea (Up to 160TB)
- Easy Channel/Event/Alarm configuration
- Video preview support
- Dynamic Event support
- Bookmark management (Up to 100 set)
- Simple connection with mobile phone through QR code

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Specifications

Display		
Network camera	Inputs	Max. 64CH
	Resolution	32MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	[Dual Display] HDMI 1: 3840 x 2160 (30Hz) HDMI 2: 1920x1080 (60Hz)
	Multi Screen Display	[Local Monitor] - Dynamic layout, Virtual channel view - Clone Mode : Up to 64 Division - Expand Mode : HDMI1 up to 36 Div. HDMI2 up to 16 Div. [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9
	Resolution	32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(120fps), 1080p(480fps), 720P(960fps), D1(1920fps)
Performance		
Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG, WiseStream(H.265, H.264)
	Recording Bandwidth	Distributed mode : Up to 400 Mbps Normal mode : Up to 150 Mbps {RAID mode} Normal : Up to 400 Mbps Degradе/ Rebuild : Up to 320 Mbps
	Resolution	32MP ~ CIF
	Mode	Normal, Dual Stream, Schedule(Continuous/Event), Event (Pre/Post), Bookmark
	Event Trigger	Alarm Input, Video Loss, 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. 64Mbps(64CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 112CH(Local 64CH, Remote 16CH per user)
	Fisheye Dewarping	Support (Local 1CH), CMS
	Mode	Date & Time(Calendar), Event list, Text Search, Smart Search
	Resolution	CIF ~ 32MP (Up to H.264 9MP, H.265 32MP)
Storage	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
	Supported HDD	Up to 10TB
	HDD Slot	SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap
	External	iSCSI storage
Backup	RAID	RAID-5/6(Array Size : 8 HDD x 2 Array)
	File backup	BU/Exe/AVI(GUI), JPG/AVI(Network)
	Function	Multi channel(Up to 16CH) Play, Date-Time/Title display

Network		
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)	
DDNS	Hanwha DDNS	
Transmission Bandwidth	Max. 400Mbps	
Audio	Input/Output	64 CH(network)
	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way
Max Remote Users	Search(3), Live Unicast(10), Multicast(20)	
Security	IP address filtering, User access Log, 802.1x, Encryption Device certificate(Hanwha Techwin Root CA), Signed firmware	
Web viewer	Supported OS	Windows 10, macOS 10.13
	Supported browser	Google Chrome, Microsoft Edge, Mac Safari
Viewer Software	SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS	

Functions		
Camera Setup	Register	Auto, Manual
	Item	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup (4, 8 point polygon) Camera video setup (Simple focus, Brightness/Contrast, Flip/Mirror, IRIS, WDR, D&N, SSNR, Shutter, SDDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage
PTZ	Control	Via GUI, Webviewer, SPC-2000
	Preset	300 Presets
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)
	Control	Live 16CH(Multi-Profile Support), Playback 4CH
	Max. Remote Users	Search(3), Live Unicast(10)
Redundancy	Failover	N+1
	ARB	Support
Easy configuration	P2P(QR code)	

Interface		
Front	Indicator	HDD, Alarm, Power, Record, Backup, Network, RAID
Storage	OK	
Reset	Power button	
HDD Key Lock	OK	
HDMI	2EA	
Audio	Out 1EA (3.5mm Audio Jack)	
Ethernet	RJ-45 3EA (LAN/WAN, 1Gbps)	
Alarm	In 8EA, Out 4EA	
USB	4EA(Front 2 x USB 2.0, Rear 2 x USB 3.0)	
Power inlet	AC 1EA	

System		
Log	Log List	Max. 100,000 (System Log, Event Log each)
System Control	Mouse, Keyboard, Web, Controller (SPC-2000)	
Language	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnamese	

Environmental		
Operating Temperature	0°C to +40°C(32°F to 104°F)	
Operating Humidity	20% ~ 85% RH	
Electrical		
Power Input	100 ~ 240 VAC ± 10%; 50/60 Hz	
Power Consumption	Max. 285W (972.5 BTU with HDD 16ea)	
Mechanical		
Color / Material	Black / Metal	
Dimension (WxHxD)	440.0 x 132.0 x 571.1mm	
Weight	Approx. 13.6Kg(30 lb, HDD not included)	
Intelligent Analysis		
AI Search	Object Attribute	Person, Face(with Wisenet AI camera), Vehicle, Licence plate
	LPR	English, Number (Wisenet AI, P/X Camera)

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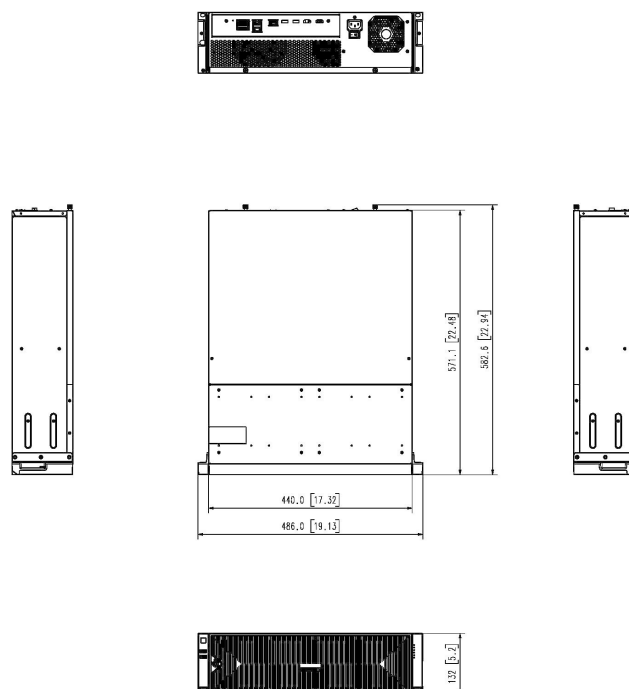
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CAD

Unit:mm [inch]

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



Appearance Drawing
 PRN-6410B4, PRN-3210B4, PRN-6400B4, PRN-3200B4
 XRN-6410B4, XRN-3210B4
 Unit : mm[inches]