

# PRN-6400DB4

64CH AI NVR



FC | UL LISTED | CE | EAC

## 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
- Dual SMPS

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] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9/ 13/ 16/ 25/ 36/ 64/ Sequence [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	Max. 400Mbps
	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
	Event Action	e-Mail, Event Push, PTZ Preset, Alarm Out, Buzzer, Monitor Out
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	CMS
	Mode	Date & Time(Calendar), Event list, Text Search, Smart Search
	Resolution	CIF ~ 32MP (Up to H.264 9MP, H.265 32MP)
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
Storage	Supported HDD	Up to 10TB
	HDD Slot	SATA 16ea(Max. 160TB, Non-RAID mode), Hot swap
	External	iSCSI storage
	RAID	RAID-5/6(Array Size : 8 HDD x 2 Array)
Backup	File backup	BU/Exe(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 SDK/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, SSSDR, 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
Storage	OK	
Reset	Power button	
HDD Key Lock	OK	
HDMI	2EA	
Audio	Out 1EA	
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 2EA	

### System

Log	Log List	Max. 100,000 (System Log, Event Log each)
System Control	Mouse, Web, Controller (SPC-2000)	

<b>Language</b>	English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedish, Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai, Vietnam
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### Environmental

<b>Operating Temperature</b>	0°C to +40°C(32°F to 104°F)
<b>Operating Humidity</b>	20% ~ 85% RH

### Electrical

<b>Power Input</b>	100 ~ 240 VAC ± 10%; 50/60 Hz (Dual SMPS)
<b>Power Consumption</b>	Max. 285W (972.5 BTU with HDD 16ea)

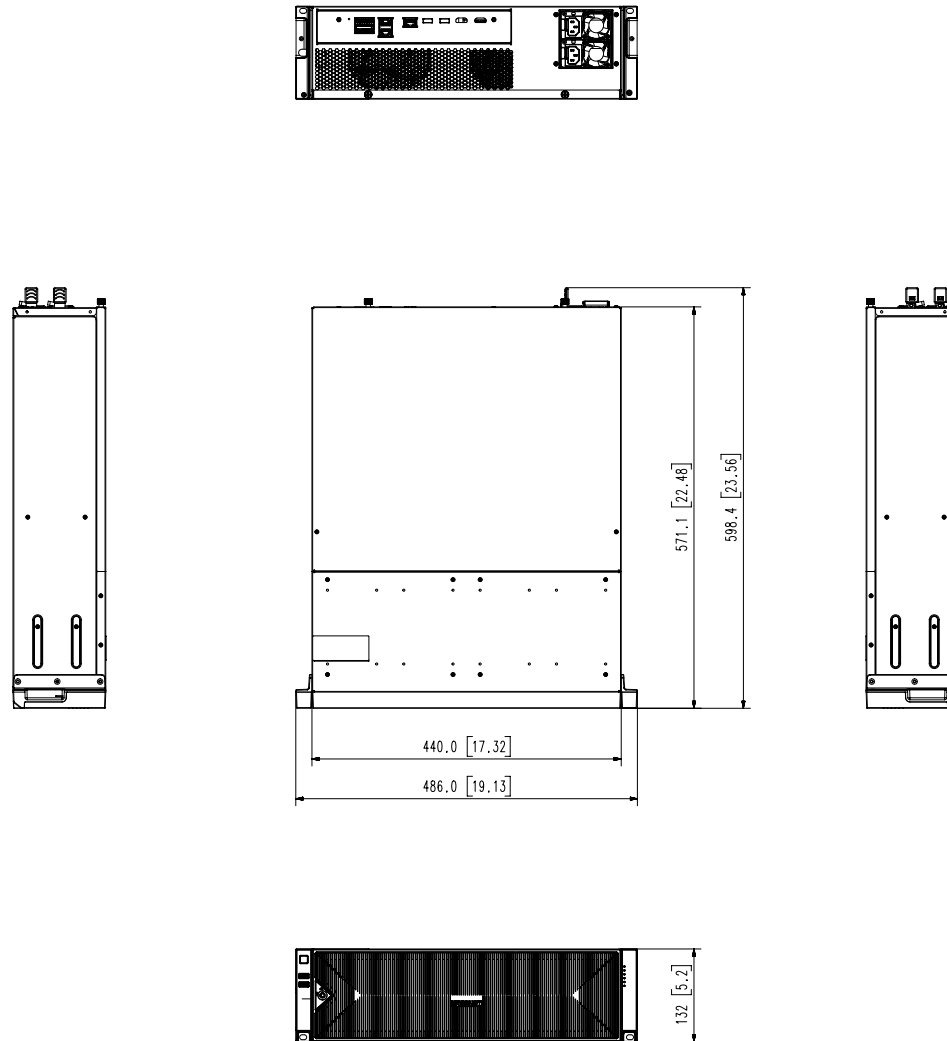
### Mechanical

<b>Color / Material</b>	Black / Metal
<b>Dimension (WxHxD)</b>	440.0 x 132.0 x 571.1mm
<b>Weight</b>	Approx. 14.3Kg(31.5 lb, HDD not included)

### Intelligent Analysis

<b>AI Search</b>	<b>Object Attribute</b>	Person, Face(with Wisenet AI camera), Vehicle, Lisence plate
	<b>LPR</b>	English, Number (Wisenet AI, P/X Camera)

- The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin, formerly known as Samsung Techwin.



Appearance Drawing  
PRN-6410DB4, XRN-6410DB4, PRN-6400DB4  
Unit : mm[inches]