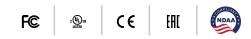




8CH NVR



## **Key Features**

- Up to 8CH 32MP supported
- Max. 100Mbps network camera recording
- HDMI out
- User friendly UI / UX
- AI search support when working with Wisenet AI camera
- Dynamic Event support
- New event function of cameras is available without software update
- H.265, H.264, MJPEG codec supported
- Plug & play by 8 PoE ports
- Bookmark management (Up to 100 set)
- SATA 2ea (Up to 12TB)

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8CH NVR

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## **Specifications**

Display		
Network camera	Inputs	Max. 8CH
	Resolution	32MP ~ CIF
	Protocols	SUNAPI, ONVIF
Decoding	Local Display	FHD : HDMI & VGA Dual monitor UHD : HDMI Single monitor
	Multi Screen Display	[Local Monitor] - Dynamic layout, Virtual channel view - Up to 16 Division [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9
	Resolution	[Local Monitior] FHD Clone mode : 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(480fps) UHD Single mode : 32M(15fps, H.265 Only), 12M(30fps, H.265 Only), 8.3M(50fps), 1080p(240fps), D1(270fps) FHD Expand mode: 32M(12fps, H.265 Only), 12M(25fps, H.265 Only), 8.3M(30fps), 1080p(90fps), D1(200fps)
Performance		
Operating System	Embedded	Linux
	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 120Mbps
Record	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, Shotdown
Search & Play	Playback Bandwidth	Max. 32Mbps
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 32CH(Local 8CH, Remote 8CH per user)
	Fisheye Dewarping	CMS
	Mode	Date & Time(Calendar), Event list, Text Search, Smart Search
	Resolution	CIF ~ 32MP (Up to H.264 8.3MP, H.265 32MP)
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
Storage	Supported HDD	Up to 6TB
	HDD Slot	SATA 2ea(Max. 12TB)
Backup	File backup	BU/Exe/AVI(GUI), JPG/AVI(Network)
	Function	Multi channel(Up to 8CH) Play, Date-Time/Title display

#### Network

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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	Hanwha DDNS		
Transmission Bandwidth	Max. 120Mbps			
Audio	Input/Output	8 CH(network)		
	Compression	G.711, G.726, AAC(16/48KHz)		
	Audio Communication	2-Way		
Max Remote Users	Search(3), Live Unicast(10), Multic	Search(3), Live Unicast(10), Multicast(20)		
Security	IP address filtering, User access Lo Device certificate(Hanwha Techwi	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		WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS		
Functions				
Camera Setup	Register	Auto, Manual		
	ltem	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, SSDR, DIS), Fisheye Dewarping Mode, Hallway View Setup, Camera Webpage		
077	Control	Via GUI, Webviewer, SPC-2000		
PTZ	Preset	300 Presets		
Smart phone	Support Model	iOS, Android		
	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)		
	Control	Live 8CH(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	ОК	ОК		
HDMI	1EA 3840x2160 30Hz			
VGA	1EA 1920x1080 60Hz	1EA 1920x1080 60Hz		
Audio	Out 1EA (3.5mm Audio Jack)	Out 1EA (3.5mm Audio Jack)		
Ethernet	PoE+ RJ-45 8EA (LAN, 10/100), RJ	PoE+ RJ-45 8EA (LAN, 10/100), RJ-45 2ea (LAN/WAN 1Gbps)		
Alarm	In 4EA, Out 2EA	In 4EA, Out 2EA		
USB	3EA(Front 2 x USB 2.0, Rear 1 x US	3EA(Front 2 x USB 2.0, Rear 1 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	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)

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Operating Humidity	20% ~ 85% RH		
Electrical			
Power Input	100 ~ 240 VAC ±10%; 50/60 Hz		
Power Consumption	Max 160W		
PoE Budget	100W		
Mechanical			
Color / Material	Black / Metal		
Dimension (WxHxD)	370 x 50.7 x 324.3 mm (14.57 x 2 x 12.77 inch)		
Weight	2.7Kg (5.95lb)		
Intelligent Analysis			
Al Search	Object Attribute	Compatible for Wisenet AI Camera	

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