



16CH NVR



Key Features

- Up to 16CH, 8MP camera supported
- H.265, H.264, MJPEG codec
- 128Mbps network camera recording
- Plug & play by 16 PoE(LAN, 10/100), 1PoE(WAN, 1Gbps)
- SATA 2ea(up to 20TB)
- ARB supported
- P2P service (QR code connect) supported

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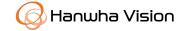


Specifications

Display		
Network camera	Inputs	Max. 16CH
	Resolution	8MP ~ CIF
	Protocols	SUNAPI, ONVIF
Decoding	Local Display	HDMI1: 3840x2160(30Hz), HDMI2: 1920x1080(60Hz)
	Multi Screen Display	Clone Mode : Dynamic layout Expand Mode : HDMI1 Dynamic layout, HDMI2 up to 16 Div. [Web] 1/ 2H/ 2V/ 3V/ 4/ 6/ 8/ 9
	Resolution	[Local Monitor] 8M(60fps), 1080p(240fps), 720P(480fps), D1(960fps)
Performance		
Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 128Mbps
	Resolution	8MP ~ 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
	Playback Bandwidth	Max. 32Mbps
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 40CH(Local 16CH, Remote 8CH per user)
Search & Play	Fisheye Dewarping	CMS
	Mode	Date & Time(Calendar), Event list, Text Search, Smart Search
	Resolution	CIF ~ 8MP
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
c.	Supported HDD	Up to 10TB
Storage	HDD Slot	SATA 2ea(Max. 20TB)
Backup	File backup	BU/Exe/AVI(GUI), JPG/AVI(Network)
υαςκαμ	Function	Multi channel(Up to 8CH) Play, Date-Time/Title display
Network		
Protocol		DP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client), SMTP, ICMP, PS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)

IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)

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DDNS	Hanwha DDNS	
Transmission Bandwidth	Max. 128Mbps	
	Input/Output	16 CH(network)
Audio	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way
Max Remote Users	Search(3), Live Unicast(10), Multic	cast(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 11
	Supported browser	Google Chrome, Microsoft Edge, Mac Safari
Viewer Software	WAVE, SSM, Webviewer, Smart Vie Support CGI(SUNAPI) for integrat	wer, Wisenet Viewer, Wisenet mobile ion to 3'rd party VMS
Functions		
	Register	Auto, Manual
Camera Setup	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
DT7	Control	Via GUI, Webviewer
PTZ	Preset	300 Presets
	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, CGI(SUNAPI)
Smart phone	Control	Live: Multi-Profile Support, Multi Channel Playback
	Max. Remote Users	Search(3), Live Unicast(10)
Redundancy	Failover	N+1
Redundancy	ARB	Support
Easy configuration	P2P(QR code)	
Interface		
Front	Indicator	Power, Record, Network
Storage	ОК	
HDMI	2EA	
Audio	Out 1EA (RCA output)	
Ethernet	PoE RJ-45 16EA (LAN, 10/100), R	J-45 1ea (LAN/WAN 1Gbps)
Alarm	In 4EA, Out 2EA	
USB	2EA(Front 2 x USB 2.0)	
Power inlet	AC 1EA	
System		
Log	Log List	Max. 100,000 (System Log, Event Log each)
System Control	Mouse, Keyboard, Web	
Language		panish, Russian, Turkish, Polish, Dutch, Czech, Portuguese, Danish, ngarian, Greek, Norwegian, Finnish, Korean, Chinese, Japanese, Thai,
Environmental		

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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. 200W(682 BTU with 2HDD, PoE ON)
PoE Budget	130W
PoE Budget	130W
PoE Budget Mechanical	130W
<u> </u>	130W Black / Metal
Mechanical	

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