



QRN-1630S

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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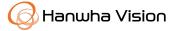


Specifications

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
	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 128Mbps
	Resolution	8MP ~ CIF
Record	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
Storago	Supported HDD	Up to 10TB
Storage	HDD Slot	SATA 2ea(Max. 20TB)
Backup	File backup	BU/Exe/AVI(GUI), JPG/AVI(Network)
	Function	Multi channel(Up to 8CH) 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. 128Mbps	

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.

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	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), 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 11
web viewer	Supported browser	Google Chrome, Microsoft Edge, Mac Safari
Viewer Software	WAVE, SSM, Webviewer, Smart Viewer, Wisenet Viewer, Wisenet mobile Support CGI(SUNAPI) for integration to 3'rd party VMS	

Functions			
	Register	Auto, Manual	
Camera Setup	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, 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)	
Deducadaria	Failover	N+1	
Redundancy	ARB	Support	
Easy configuration	P2P(QR code)		
Interface			
Front	Indicator	Power, Record, Network	
Storage	OK		
HDMI	2EA		
Audio	Out 1EA (RCA output)		
Ethernet	PoE+ RJ-45 16EA (LAN, 10/100), RJ-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	Mouse, Keyboard, Web	
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

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Power Input	100 ~ 240 VAC ±10%; 50/60 Hz	
Power Consumption	Max. 200W(682 BTU with 2HDD, PoE ON)	
PoE Budget	130W	
Mechanical		
Color / Material	Black / Metal	

Weight	2.87Kg (6.33 lb)
Dimension (WxHxD)	370.0 x 50.7 x 320 mm (14.6 x 2.0 x 12.6 inch)
	black / Metal



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CAD

Unit:mm [inch]

