

# QRN-1620S

16CH 8MP сетевой видеорегистратор с PoE коммутатором



FC |  | CE | EAC

## Key Features

- До 16 каналов с разрешением 8 Мп
- Поддержка кодеков H.265, H.264, MJPEG
- Поддержка функции WiseStream
- Скорость записи с сетевой камеры 128 Мбит/с
- Двухдорожечная запись
- 16 порта PoE с поддержкой Plug & play
- До 2 жестких дисков (до 12 Тб)
- Выход HDMI, VGA
- Поддержка P2P (QR-код)

Display		
Network camera	Inputs	Max. 16CH
	Resolution	8MP ~ CIF
	Protocols	Wisenet, ONVIF
Decoding	Local Display	[Dual Clone mode display] HDMI: 3840 x 2160, 1920x1080, 1280x720 VGA: 1920x1080, 1280x720
	Multi Screen Display	[Local Monitor] 1 / 2V / 3V / 4 / 9 / 16 Sequence
	Resolution	8MP(60fps), 5MP(90fps), 3MP(120fps), 2MP(240fps), 720p(480fps), D1(480fps)
Performance		
Operating System	Embedded	Linux
Record	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max. 128Mbps
	Resolution	8MP ~ CIF
	Mode	Normal, Schedule(Continuous/Event), Event (Pre/Post), Dual track Recording
	Event Trigger	Alarm Input, Video Loss, Camera Event(Alarm, MD, Video Analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, Alarm Out, Buzzer, Monitor Out
Search & Play	Playback Bandwidth	Max. 32Mbps(16CH simultaneously)
	User	Max. 4 Users (Local 1, Remote 3)
	Simultaneous playback	Max. 28CH(Local Monitor 16CH, Remote 4CH per user)
	Fisheye Dewarping	WEB / CMS / Mobile
	Mode	Date & Time(Calendar), Event Log list, Text Search, Smart Search
	Resolution	8MP ~ CIF
	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(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), PPPoE, SMTP, ICMP, IGMP, ARP, DNS, DDNS, uPnP, HTTPS, SNMP, ONVIF (Profile-S), SUNAPI(Server, Client)	
DDNS	Hanwha DDNS	
Transmission Bandwidth	Max. 128Mbps	
Audio	Input/Output	16CH(network)
	Compression	G.711, G.726, AAC(16/48KHz)
	Audio Communication	2-Way

<b>Max Remote Users</b>	Search(3), Live Unicast(10), Multicast(20)	
<b>Security</b>	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA)	
<b>Viewer Software</b>	WAVE, SSM, Webviewer, Smart Viewer, Wisenet mobile Support SDK/CGI(SUNAPI) for integration to 3'rd party VMS	
<b>Functions</b>		
<b>Camera Setup</b>	<b>Register</b>	Auto, Manual
	<b>Item</b>	IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD setup, Wisestream, Dynamic GOV/FPS, VA Setup 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
<b>PTZ</b>	<b>Control</b>	Via GUI, Webviewer
<b>Smart phone</b>	<b>Support Model</b>	iOS, Android
	<b>Protocol Support</b>	RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI)
	<b>Control</b>	Live(Multi-Profile Support), Playback
	<b>Max. Remote Users</b>	Search(3), Live Unicast(10)
<b>Redundancy</b>	<b>ARB</b>	Support
<b>Easy configuration</b>	P2P(QR code)	
<b>Interface</b>		
<b>HDMI</b>	1EA	
<b>VGA</b>	1EA	
<b>Audio</b>	Out(1EA, RCA, Line)	
<b>Ethernet</b>	RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE+) x 16	
<b>Alarm</b>	In 4EA, Out 2EA	
<b>USB</b>	2EA(Front 2)	
<b>Power inlet</b>	AC 1EA	
<b>System</b>		
<b>System Control</b>	Mouse, IR remocon, Web	
<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, Vietnamese	
<b>Environmental</b>		
<b>Operating Temperature</b>	0°C to +40°C(32°F to 104°F)	
<b>Operating Humidity</b>	20% ~ 85% RH	
<b>Electrical</b>		
<b>Power Input</b>	100~240VAC ± 10%	

<b>Power Consumption</b>	Max. 158.2W(2HDDs, PoE on) Max. 34.6W(2HDDs, PoE off)
<b>PoE Budget</b>	Max. 130W
<b>Mechanical</b>	
<b>Color / Material</b>	Black / Metal
<b>Dimension (WxHxD)</b>	W370.0 x H44.0 x D320 mm (14.57" x 1.73" x 12.6") (1U)
<b>Weight</b>	2.79Kg (6.15lb)

- 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.