QRN-1620S

16CH 8MP NVR with PoE switch

Key Features

- Up to 16CH 8MP resolution
- H.265, H.264, MJPEG codec
- WiseStream support
- 128Mbps network camera recording
- Dual track recording
- Plug & play by 16 PoE port
- Max. 2 HDDs(Up to 12TB)
- HDMI, VGA output
- P2P service(QR code)

Design and specifications are subject to change without notice. The latest product information / specification can be found at hanwha-security.com

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WISENET QRN-1620S

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Specifications

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

Max Remote Users	Search(3), Live Unicast(10), Multicast(20)
Security	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)

Viewer Software		WAVE, 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, Wisestream, Dynamic GOV/FPS, VA Setup 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
PTZ	Control	Via GUI, Webviewer
Smart phone	Support Model	iOS, Android
	Protocol Support	RTP, RTSP, HTTP, HTTPS, CGI(SUNAPI)
	Control	Live(Multi-Profile Support), Playback
	Max. Remote Users	Search(3), Live Unicast(10)
Redundancy	ARB	Support
Easy configuration		P2P(QR code)

Interface

HDMI	1EA
VGA	1EA
Audio	Out(1EA, RCA, Line)
Ethernet	RJ-45(10/100/1000BASE-T) x 1 RJ-45(PoE+) x 16
Alarm	In 4EA, Out 2EA
USB	2EA(Front 2)
Power inlet	AC 1EA

System

System Control	Mouse, IR remocon, Web
Language	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

Environmental

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

Electrical

Power Input	100~240VAC±10%
Power Consumption	Max. 158.2W(2HDDs, PoE on) Max. 34.6W(2HDDs, PoE off)
PoE Budget	Max. 130W

Mechanical

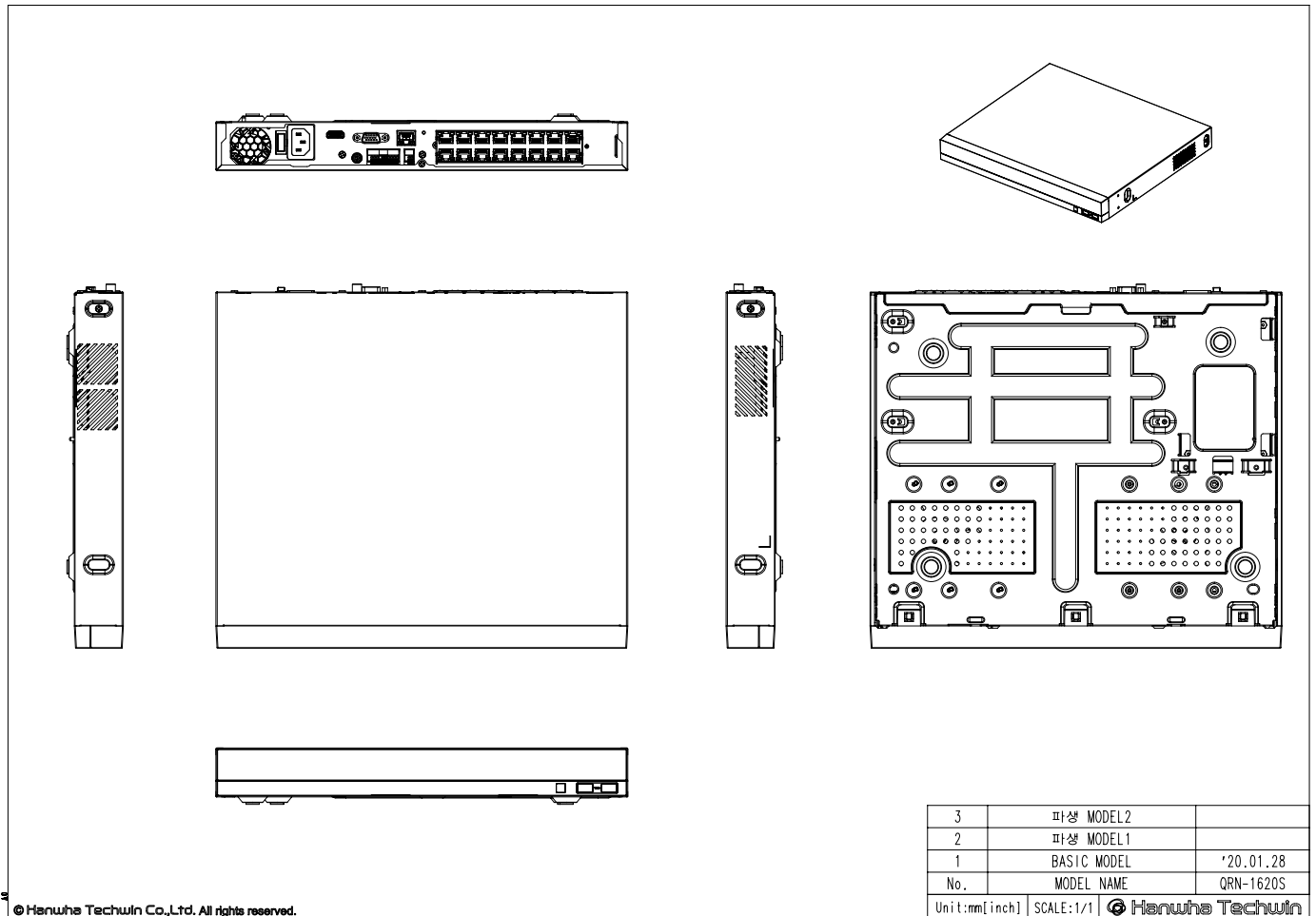| Color / Material	Black / Metal
Dimension (WxHxD)	W370.0 x H44.0 x D320 mm (14.57" x 1.73" x 12.6") (1U)
Weight	2.79Kg (6.15lb)

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CAD

Unit: mm [inch]

3	파생 MODEL2	
2	파생 MODEL1	
1	BASIC MODEL	'20.01.28
No.	MODEL NAME	QRN-1620S
Unit:mm[inch]	SCALE:1/1	Hanwha Techwin

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