WISENET Q series

# **QRN-410S**

4Ch Network Video Recorder with built-in PoE Switch



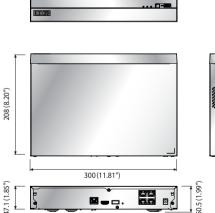
DISPLAY		
	Inputs	Max.4ch
Network	Inputs Resolution	
Camera	Protocols	CIF ~ 8MP Wisenet, ONVIF (Profile-S)
	Local Display	1 x HDMI
		[Local Monitor] 1/2H/2V/3V/4/Auto Sequence
Live	Multi-Channel Display	[Web] 1/4/ Auto Sequence
LIVE	Performance	[Local Monitor] 8MP (60fps)
		5MP (90fps), 3MP (120fps), 2MP (120fps), 720p (120fps), D1 (120f
PERFORMANCE		
Operating System	Embedded	Linux
	Compression	H.265, H.264, MJPEG
	Recording Bandwidth	Max.40Mbps
Record	Resolution	CIF~8MP
necora	Туре	Manual, Schedule (Continuous / Event), Event (Pre / Post)
	EventTrigger	Video Loss, Camera event (Sensor, MD, Video analytics, Defocus)
	Event Action	e-Mail, PTZ Preset, Buzzer, Monitor Out
	Playback Bandwidth Performance	32Mbps (4ch simultaneously) Max, 3 Users (Local 1.Remote 3)
		Date & Time (Calendar) / Event Log list / Text Search (POS) / ARB Search / Smar
	Mode	Search (Virtual Line w / direction, Enter / Exit)
Search & Play	Simultaneous playback	Max. 4ch (Local, Network)
	Resolution	CIF~8MP
	Fish-Eye Dewarping	N/A (processed on Web / CMS)
	Playback Control	Fast/Slow Forward / Backward, Move one step Up / Down
<i>c</i> .	Default Built-In	0~6TB
Storage	Internal	1 (Max.6TB)
Packup	File backup	BU / Exe (USB), JPG / AVI (Web, CMS)
Backup	Function	Multi channel (Upto 4ch) Play, Date-Time / Title display
Sensor	1/0	N/A
	Input	4 ch (network)
Audio	Compression	G.711, G.726, AAC (16/48KHz)
	Audio Communication	2-Way
NETWORK		
		TCP / IP, UDP / IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, DHCP (Server, Client),
Protocol		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 SUNAPI (Server, Client)
		SUNAPI (Server, Client)
DDNS Transmission Ba	ndwidth	Hanwha Security DDNS 50Mbps
Max Remote Us		Search (3), Live Unicast (10), Multicast (20)
IP Version	215	IPv4/IPv6
Security		User access Log, IP Filtering, 802.1x, Encryption
Security		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedi
	GUI	Czech Portuguese Danish Rumanian Serbian Croatian Hungarian Greek
		Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai
Language		English, French, German, Italian, Spanish, Russian, Turkish, Polish, Dutch, Swedi Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek, Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai
	Web	Czech, Portuguese, Danish, Rumanian, Serbian, Croatian, Hungarian, Greek,
06		Norwegian, Finnish, Korean, Chinese (Simplified), Japanese, Thai
OS		Windows 7, 8, 10, Mac OS X 10.9. 10.10. 10.11
Web Browser		Plug-in free web viewer : Google Chrome 47, MS Edge 20 Plug-in Webviewer : MS Explorer 11, Apple Safari 9 (Mac OS X only)
	Туре	SSM Webviewer Smart Viewer Wisenet Mobile
Viewer	CMS Support	SSM, Webviewer, Smart Viewer, Wisenet Mobile Support SDK/CGI (SUNAPI)
Viewer Software	CIVIS SUDDOLL	
Software	CMSSupport	
Software	Register	PnP, Manual
Software	Register	PnP, Manual IP address. Add profile edit. Bitrate. Compression. GOP. Ouality. Camera MD set
Software FUNCTIONS		PnP, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD ser Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup
Software FUNCTIONS	Register	PnP, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage
Software FUNCTIONS Camera Setup	Register Setup Items	PnP, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD sel Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SDDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera,
Software FUNCTIONS	Register Setup Items	PnP, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness/ Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera
Software FUNCTIONS Camera Setup Camera Control	Register Setup Items PoE	PnP, Manual PnAdress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration)
Software FUNCTIONS Camera Setup Camera Control Easy Configurati	Register Setup Items PoE	PnP, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)
Software FUNCTIONS Camera Setup Camera Control Easy Configurati	Register Setup Items PoE on	PnP, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness/ Contrast, Flip / Miror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes
Software FUNCTIONS Camera Setup Camera Control Easy Configurati	Register Setup Items PoE on Control	PnP, Manual PnA, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ	Register Setup Items PoE on Control Support Model	PnP, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset Via GUI, Webviewer, 255 preset Via Gui, Mathia State (State (St
Software FUNCTIONS Camera Setup Camera Control Easy Configurati	Register Setup Items PoE on Control Support Model Protocol Support	PnP, Manual PnA, Manual Paddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness/ Contrast, Flip / Mirror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset iPhone, Android IRTP, RTSP, HTTP, CGI (SUNAPI)
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ	Register Setup Items PoE on Control Support Model Protocol Support Control	PnP, Manual PnA, Manual Paddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset iPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI) Live (4ch): Multi-Profile Support, Playback (4ch), Event push
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone	Register Setup Items PoE on Control Support Model Protocol Support	PnP, Manual PnA, Manual IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset IPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI) Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users	PnP, Manual PnA, Manual Paddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD se Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset iPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI) Live (4ch): Multi-Profile Support, Playback (4ch), Event push
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE	PnP, Manual [Pnaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD se Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset iPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI) Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20) Mouse, Web
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users	PnP, Manual PnAdress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD se Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption , On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset iPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI) Lize (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20) Mouse, Web LED (Status indicator) :3ea
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE	PnP, Manual [Pnaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code) Yes Via GUI, Webviewer, 255 preset iPhone, Android RTP, RTSP, HTTP, CGI (SUNAPI) Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20) Mouse, Web
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA	PnP, Manual         IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yas         Wia GUI, Webviewer, 255 preset         IiPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea         Power Status 1, LAN 1, Record 1         N/A
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator	PnP, Manual         IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set         Camera video setup (Simple focus, Brightness/ Contrast, Flip / Miror, IRIS, WD)         D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup         Camera Webpage         Monitor PoE Power consumption , On / Off Control for each PoE camera ,         Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (Lach): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea         Power Status 1, LAN 1, Record 1
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yas         Wia GUI, Webviewer, 255 preset         IiPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mower Status 1, LAN 1, Record 1         NVA         1 EA (3840 x 2160, 1920x1080, 1280x720)         NVA         AEA (PoE, 100Mbps)
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN Front	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch); Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1         N/A         1 EA (3840 x 2160, 1920x1080, 1280x720)         N/A         4EA (PoE, 100Mbps)         1EA (WAN, 100Mbps) - WAN: Uplink to CMS
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm	PnP, Manual         IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         N/A         1 EA (3840 x 2160, 1920x1080, 1280x720)         N/A         4EA (PoE, 100Mbps)         UKA
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN Front	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yas         Wa GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mowe, Web         LED (Status indicator) : 3ea         Power Status 1, LAN 1, Record 1         N/A         4EA (PoE, 100Mbps)         IEA (WAN, 100Mbps)- WAN: Uplink to CMS         N/A
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN Front	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage	PnP, Manual         IP address, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness/ Contrast, Flip / Miror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption , On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (Lach): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         N/A         LEA (96, 100Mbps)         LEA (96, 100Mbps)         LEA (96, 100Mbps)         N/A         Front 1EA (USB2.0), Rear 1 (USB3.0)         N/A
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN Front	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         N/A         I EA (3840 x 2160, 1920x1080, 1280x720)         N/A         V/A         V/A         V/A         V/A
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yas         Via GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         N/A         4EA (POE, 100Mbps)         LEA (VAN, 100Mbps)- WAN: Uplink to CMS N/A         N/A         VA         N/A         N/A
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front Connectors	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         N/A         I EA (3840 x 2160, 1920x1080, 1280x720)         N/A         V/A         V/A         V/A         V/A
Software UNCTIONS Camera Setup Camera Setup Camera Control Easy Configurati ARB 2TZ Smart phone System Control NDICATOR / IN Front Connectors SYSTEM	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord	PnP, Manual         Paddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1         NVA         1 EA (3840 x 2160, 1920x1080, 1280x720)         NVA         Front 1EA (USB2.0), Rear 1 (USB3.0)         N/A         N/A         Front 1EA (USB2.0), Rear 1 (USB3.0)         N/A         Switch (1EA)         Included
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / INI Front Connectors SYSTEM Log	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MDse         Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD         D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup         Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera,         Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea         Power Status 1, LAN 1, Record 1         N/A         4EA (POE, 100Mbps)         LEA (VAN, 100Mbps)- WAN: Uplink to CMS         N/A         N/A         VA         N/A         N/A
Software Software Software Software Software Camera Setup Camera Setup Camera Control Easy Configurati ARB Softwart phone System Control NDICATOR / IN Front Connectors SySTEM Og NVIRONMENT	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord Log List AL	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MDse         Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD         D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup         Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera,         Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yas         Wa GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea         Power Status 1, LAN 1, Record 1         N/A         VA         I EA (3840x 2160, 1920x1080, 1280x720)         N/A         N/A         N/A         N/A         N/A         N/A         I EA (USB2.0), Rear 1 (USB3.0)         N/A         N/A         N/A         N/A         Included
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front Connectors SYSTEM Log ENVIRONMENT Operating Temp	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord	PnP, Manual         Paddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption , On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1         NVA         1 EA (3840 x 2160, 1920x1080, 1280x720)         NVA         Front 1EA (USB2.0), Rear 1 (USB3.0)         NVA         N/A         Front 1EA (USB2.0), Rear 1 (USB3.0)         N/A         Max. 20000 (System Log, Event Log each)         +0°C to +40°C (+32°F to +104°F)
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front Connectors SYSTEM Log ENVIRONMENT Operating Temp	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord Log List AL	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MDse         Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD         D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup         Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera,         Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yas         Wa GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push         Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea         Power Status 1, LAN 1, Record 1         N/A         VA         I EA (3840x 2160, 1920x1080, 1280x720)         N/A         N/A         N/A         N/A         N/A         N/A         I EA (USB2.0), Rear 1 (USB3.0)         N/A         N/A         N/A         N/A         Included
Software FUNCTIONS Camera Setup Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front Connectors SYSTEM Log ENVIRONMENT Doperating Tempt Humidity	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord Log List AL	PnP, Manual         Paddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1         NVA         1 EA (3840 x 2160, 1920x1080, 1280x720)         NVA         Front 1EA (USB2.0), Rear 1 (USB3.0)         NVA         N/A         Front 1EA (USB2.0), Rear 1 (USB3.0)         N/A         Max. 20000 (System Log, Event Log each)         +0°C to +40°C (+32°F to +104°F)
Software EUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front Connectors SYSTEM .og ENVIRONMENT Deparating Temp Humidity ELECTRICAL	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord Log List AL	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1 N/A         N/A         4EA (PoE, 100Mbps)         LEA (VAN, 100Mbps)- WAN: Uplink to CMS         N/A         V/A         V/A         V/A         V/A         MVA         MVA         MVA         MVA         MVA         MVA         MVA         MVA         MA         IEA (WAN, 100Mbps)- WAN: Uplink to CMS         MVA         MVA         MVA         MVA         MA
Software FUNCTIONS Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN Front Connectors SYSTEM Log ENVIRONMENT Operating Temp Humidity ELECTRICAL Power Input	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Etxt. Storage Serial Reset Power Cord Log List AL perature / Humidity	PnP, Manual         Paddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness/ Contrast, Flip / Mirror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         NVA         1 EA (3840x 2160, 1920x1080, 1280x720)         N/A         Front 1 EA (USB2.0), Rear 1 (USB3.0)         NVA         NVA         Front 1 EA (USB2.0), Rear 1 (USB3.0)         NVA         Max. 20000 (System Log, Event Log each)         +0°C to +40°C (+32°E to +104°E)         20% ~ 85% RH
Software FUNCTIONS Camera Setup Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN Front Connectors SYSTEM Log ENVIRONMENT Operating Temp Humidity ELECTRICAL Power Consum	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Etxt. Storage Serial Reset Power Cord Log List AL perature / Humidity	PnP, Manual         Phaddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WDI D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator): 3ea Power Status 1, LAN 1, Record 1 N/A         N/A         4EA (PoE, 100Mbps)         LEA (VAN, 100Mbps)- WAN: Uplink to CMS         N/A         V/A         MVA         MA         IEA (WAN, 100Mbps)- WAN: Uplink to CMS         MVA         MVA         MVA         MVA         Mox 20000 (Sy
Software FUNCTIONS Camera Setup Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control INDICATOR / IN Front Connectors SYSTEM Log ENVIRONMENT Dearating Temp Humidity ELECTRICAL Power Consum Power Consu	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Etxt. Storage Serial Reset Power Cord Log List AL perature / Humidity	PnP, Manual         Praddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         NVA         1 EA (3840 x 2160, 1920x1080, 1280x720)         NVA         V/A         Front 1EA (USB20), Rear 1 (USB30)         NVA         V/A         York (1EA)         Included         Max. 20000 (System Log, Event Log each)         +0°C to +40°C (+32°F to +104°F)         20% ~ 85% RH
Software EUNCTIONS Camera Setup Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front Connectors SYSTEM Log ENVIRONMENT Operating Tempt Paget Consump PoesBudget MECHANICAL	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Etxt. Storage Serial Reset Power Cord Log List AL perature / Humidity	PnP, Manual         Praddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness/ Contrast, Flip / Mirror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption , On / Off Control for each PoE camera , Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration)         P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         IPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea         Power Status 1, LAN 1, Record 1         N/A         1EA (40x, 100Mbps)         IEA (3840x 2160, 1920x1080, 1280x720)         N/A         Front 1EA (USB2.0), Rear 1 (USB3.0)         N/A         Front 1EA (USB2.0), Rear 1 (USB3.0)         N/A         HAQ         Max. 20000 (System Log, Event Log each)         +0°C to +40°C (+32°E to +104°E)         20% ~ 85% RH         S4VDC/12A         Max. 47W (1HDD, PoE on), Max. 7.4W (1HDD, PoE off)
Software FUNCTIONS Camera Setup Camera Setup Camera Control Easy Configurati ARB PTZ Smart phone System Control NDICATOR / IN Front Connectors SYSTEM Og ENVIRONMENT Deparating Temp Humidity Power Consum Poote Budget	Register Setup Items PoE on Control Support Model Protocol Support Control Max. Remote Users TERFACE Indicator VGA HDMI Audio Ethernet Alarm USB Ext. Storage Serial Reset Power Cord Log List AL perature / Humidity	PnP, Manual         Praddress, Add profile edit, Bitrate, Compression, GOP, Quality, Camera MD set Camera video setup (Simple focus, Brightness / Contrast, Flip / Mirror, IRIS, WD) D&N, SSNR, Shutter, SSDR, DIS), Fisheye Dewarping setup, Hallway View Setup Camera Webpage         Monitor PoE Power consumption, On / Off Control for each PoE camera, Remote Reset for each PoE camera         Setup Wizard (Date / Time, Network, Auto Camera Configuration) P2P (QR code)         Yes         Via GUI, Webviewer, 255 preset         iPhone, Android         RTP, RTSP, HTTP, CGI (SUNAPI)         Live (4ch): Multi-Profile Support, Playback (4ch), Event push Search (3), Live Unicast (10), Multicast (20)         Mouse, Web         LED (Status indicator) : 3ea Power Status 1, LAN 1, Record 1         NVA         1 EA (3840 x 2160, 1920x1080, 1280x720)         NVA         V/A         Front 1EA (USB20), Rear 1 (USB30)         NVA         V/A         York (1EA)         Included         Max. 20000 (System Log, Event Log each)         +0°C to +40°C (+32°F to +104°F)         20% ~ 85% RH

## \* The lastest product information / specification can be found at 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.

## **Key Features**

- Up to 4ch 8megapixel supported
- H.265, H.264, MJPEG codec supported
- 40Mbps network camera recording
- Plug & play by 4 PoE ports
- Max. 1HDD supported
- HDMI local monitor
- P2P service (QR code connect) support

## Dimensions



**•** - .

Unit	:	mm	(inch)	

