



# Sharx HTNR16621

16 Channel 480 fps / 4K Network Video Recorder with built in PoE+



## Key Functions

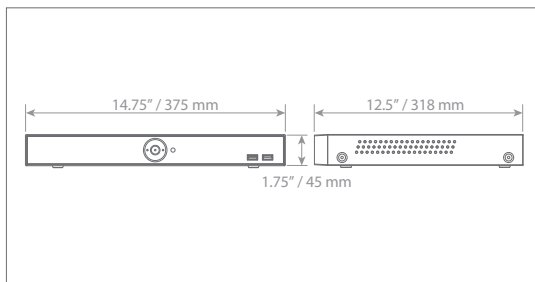
- H.264 / H.265 hardware codec for smooth motion at up to 4K resolution
- S.M.A.R.T. hard disk check, self-diagnosis and hardware watchdog
- Video / Audio Clip overwrite protection feature
- Still image capture and direct print feature
- Data authentication feature
- DDNS, UPnP, NAT traversal feature for remote access
- Small recording file size with crystal clear picture quality
- Adjustable recording frame rate, resolution and picture quality
- Video/Audio data backup in AVI, H4V, MP4 format
- Advanced event search function
- Built in PoE+ with gigabit upload and DHCP for easy camera connection
- PC & Mac client software, PC & Mac (IE/Safari) webviewer, iOS & Android apps
- New for 2019:
  - "Warp" feature for NVR-to-NVR remote screen viewing & control
  - "Smart Search" feature to find motion events in a specific display area

## Compatible Sharx IP Cameras

- HTNC22xx (full HD / 2 Megapixel indoor / outdoor IR mini bullet or turret)
- HTNC24xx (4 Megapixel indoor / outdoor IR bullet or turret, 4x zoom)
- HTNC4403DM (full HD / 2 Megapixel IR dome, 3x zoom)
- HTNC4410M (full HD / 2 Megapixel IR bullet, 10x autofocus zoom)
- HTNC4420PTZ (full HD PTZ dome, 20x autofocus zoom)
- HTNC4430XIR (full HD IR PTZ, 30x AF zoom, extended IR 1300 ft night vision)
- HTNC4300DM (3 Megapixel indoor wide angle micro dome with de-warp)
- HTNC5404M / HTNC5404DM (4 Megapixel, 4x zoom, bullet and dome)
- HTNC4503M / HTNC4503DM (5 Megapixel, 3x zoom, bullet and dome)
- HTNC5803M / HTNC5803DM (8 Megapixel / 4K, 3x zoom, bullet and dome)
- HTNC5830XIR (8 MP / 4K IR PTZ, 30x AF zoom, extended IR 650 ft night vision)
- HTNC6000D (12 MP / 4K fish-eye dome with de-warp, use in 4K mode)

Note: HTNC4430XIR, HTNC5830XIR can be recorded, displayed and controlled by the NVR but must be powered with their own included 56V H-PoE injectors

## Dimensions



## Key Features

- Real Time Full HD, 3MP, 4MP, 5MP or 8 MP / 4K recording at 30 fps on all 16 channels
- Real Time display of up to 16 IP cameras on 4K or HD TV + monitor + browser + app
- Built-in 16 port PoE+ switch with 802.3at support for easy camera hookup
- Optimized for Sharx Security HTNC Series commercial grade PoE cameras
- Supports many other ONVIF and RTSP compatible IP cameras from full HD to 4K
- PC and Mac compatible (with free software) and free iOS / Android app
- 480 fps recording performance / 480 fps display performance
- 2 Internal drive bays supporting up to 12 TB each (drives not included in base version)
- 2 USB ports for kb/mouse, 1 USB3 port for backup, iSCSI support for external drives
- 2 monitor outputs (including one 4K HDMI) for continuous viewing of live video
- 16 alarm inputs, 1 alarm output for integration with special sensors or alarm system
- New feature: Supports free instant push notifications to iPhone / iPad / Android

## Technical Specifications

Model	HTNR16621 - made in South Korea	
IP Camera Input	Input	16 cameras total, on built in PoE switch or external switches
	Embedded Ethernet Switch	Gigabit Ethernet upload port
	Embedded PoE Switch	PoE+ / 802.3at
	Resolution	8M (4K), 5M, 4M, 3M, 1080p, 960p, D1, VGA
Monitor Output	Protocol	ONVIF v2.3 Base
	HD Video Output	HD 15-pin and HDMI available simultaneously for live dual HD monitor display
	Display Resolution	Up to 4K (3840 x 2160)
Recording	Screen Split Mode	1/4/6/8/9/13/16
	PIP and Zoom	PIP/Zoom (x2, x4, x6, x8)
	Audio Output	1 x RCA
	Frame Rate	Adjustable Frame Rate for Each Camera
Remote Monitoring/Control	Recording Modes	Manual, Schedule, Event (Motion, Video Content Analysis, Sensor)
	Recording FPS	30 fps on all 16 channels, 480 fps total at up to 4K resolution
	Recording Throughput	Up to 8 Mb per camera, 128 Mbps total
	Still Image Capture	Live or Playback image local capture and backup for legal evidence
Playback	Internal Hard Drive	2x SATA up to 12 TB each (Max. 24TB HDD total)
	Remote View and Control	Remote View and Control via Gigabit Ethernet uplink port
	PC and Mac software, iOS / Android app, and NVR-to-NVR remote access	NAT Traversal Support for direct HTTP or HTTPS access to attached cameras
	Dual Streaming for Live and Recording	Event Map Support
Alarm Control	Playback Screen Mode	1/4/9/13/16
	Playback FPS	480fps
	Playback Speed	FF/REW: x1, x2 (-2), x4 (-4), x8 (-8), x16 (-16), x32 (-32), x64 (-64) and x 1/2 (-1/2), x 1/4 (-1/4) and x 1/8 (-1/8)
Data Backup Drive Connection Port	Search Mode	Data/Time, Calendar, Event, Protect, Capture
	External Sensor Input	16
Features	Alarm Output	1
	Video Content Analysis	Supported with Sharx Security HTNC series cameras
	Audio	G.711, requires microphone on Sharx Security HTNC series cameras (optional)
	Keyboard and Mouse	USB KB and mouse ports (mouse with scroll wheel is included with NVR)
	Printer	USB or Network Printer
	NTP Server/Client	Supported, allowing NVR to get time from internet and provide time to cameras
	Pentaplex Mode	Live, Recording, Playback, Backup, Network
	Control	IR Remote Control (included), USB Mouse (included), Keyboard (optional)
	Event Log & Pre-Alarm Record	System/Event Log Management, Pre-Recording for Motion/Sensor
	Auto Detection	Setup Recording Duration Per Channel
Compatibility	PC Windows 7 - 10, Android, iOS 12, Mac OS ElCapitan - Mojave	
PoE Power Supply	DC 56V, 2.5A (120 watts total PoE power available for cameras)	
Operating Temperature	32 to 113 °F	
Operating Humidity	0 to 90% Relative Humidity (non-condensing)	
Weight (Main Unit only)	6.8 lbs (3.1kg) without HDD	
Weight (Ready to ship)	Approximately 9 lbs (4kg) without HDD	
Dimensions (Main Unit)	14.75" / 375 mm (Width) x 1.75" / 45 mm (Height) x 12.5" / 318 mm (Depth)	
Conformity Certification	FCC, CE	

