Sharx   HTNC4410M
Full HD 60 fps Outdoor Day/Night Camera, Motorized 10x Zoom

zOM 10x | 2 MP | AiHM | D&N | 3DNR | IRLED | Onvif
PoE | H.264 | Slot Micro SD | BLC | WDR | IP66

Key Features

- Full HD(1920x1080) 60fps for capturing fast motion or 30fps for higher light sensitivity
- Motorized Vari-Focal 5.1 to 51mm, motorized 10 x optical zoom with auto focus
- True Wide Dynamic Range (120dB), True Day & Night
- 32 IR LEDs for 75 ft Night Vision Coverage in total darkness
- Connectors for Audio In/Out (1/1), Alarm In/Out (1/1)
- Solid metal construction, cable connection concealed in camera mount
- Mounts to wall, eave or ceiling with or without optional junction box HJB
- MicroSDHC card up to 256 GB (optionally available from Sharx Security)
- Powered by PoE+ (802.3at) or 12VDC (power supply not included)
- Suitable for US government applications - made in Korea without Huawei components

Key Functions

- Auto Exposure, Auto White Balance, Backlight Compensation
- Triple Stream (H.264, MJPEG) for simultaneous access to lo and hi resolution
- Onvif Profile S for compatibility with existing NVRs or PC or Mac software
- Easy Installation with IP Discovery software for Windows or Bonjour for Mac
- Full support for Internet Explorer, partial support for other browsers
- Advanced Intelligent Health Management automated diagnostic notification
- Event Boosting, FTP Image Upload, Open VPN, QoS, IP Filtering
- Privacy Masking with Face Detection
- Event Buffering for showing video prior to motion detection or other event

Similar Models in this series

- **HTNC4410LPC** (HTNC4410M special version for license plate capture at night)
- **HTNC4503M, HTNC4503DM** (5 Megapixel, 3x zoom IR bullet or dome camera)
- **HTNC4403DM** (IR dome, 3 x zoom)
- **HTNC4420PTZ** (PTZ dome, 20 x zoom)
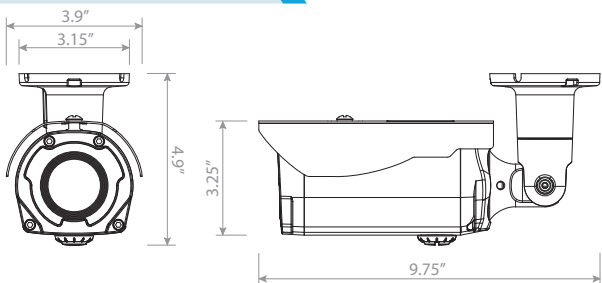- **HTNC4430XIR** (IR PTZ, 30 x zoom, extended IR 1300 ft night vision)

Software

- Includes free Titanium V2 256 camera viewing software for PC and Mac
  (requires MicroSD or Sharx Security NVR for recording, NVR recommended)
- Supports Milestone VMS (free for 8 cameras, any resolution, no time limit)
- Supports 16 Camera BlueIris on PCs, 16 camera SecuritySpy on Mac
- Supports Luxriot, Genetec, Aimetis, SightHound, OpenALPR, IPTimeLapse, VLC

Optional Sharx Accessories

- **HJB** Outdoor junction box with concealed cabling, suitable for pre-wiring
- **HCB** Outdoor conduit box, round, can be used with pole mount **HCPM**
- **HCPM** Heavy duty corner mount / pole mount, requires **HCB** conduit box
- **HTCP2701:** PoE power + networking for up to 1.5 miles range over coax
- **HTNR16560:** 480 fps 16-camera 5 MP NVR with 16 PoE, up to 24 TB storage
- **HTNR32620:** 960 fps 32-camera 4K NVR with 16 PoE, up to 48 TB storage
- **HTVM64600:** 1920 fps 64-camera 2/4/8 NVR link, up to 48 TB offsite storage
- **HTVM80600S:** 3840 fps 128-camera 2/4/8 NVR link, up to 96 TB offsite storage

Dimensions

3.9"
3.15"
4.9"
3.25"
9.75"

Technical Specifications

Model	Sharx Security **HTNC4410M** - made in South Korea

IMAGE

Lens		Motorized Vari-Focal Zoom 5.1 to 51.0 mm, built in Auto IRIS
Angle of View		54° (standard perspective) to 4.9° (telephoto), horizontal measurement
Image Sensor	Type	1/2.8" SONY Starvis CMOS Sensor
	Pixels	1945 (H) x 1097 (V)
Min. Illumination		Color : 0.35Lux / BW : 0 Lux, 50 IRE (IR LED On)
Scanning Mode		Progressive Scan
Wide Dynamic Range		True WDR(120dB)
Day and Night Mode		True Day & Night (Auto, Day, Night)
Noise Reduction		3DNR
Digital Zoom		16X
Exposure Control		Auto, Manual, Shutter Priority, Iris Priority
White Balance Control		Auto, Incandescent, Fluorescent, Outdoor
Back Light Compensation		Yes
Image Effect		Flip (upside down)
Flicker Free Mode		50Hz, 60Hz
Shutter Speed		Auto (1/30,000 to 1/3 sec), Manual
IR Illuminator	Quantity	32 IR LEDs, adjustable strength
	Angle	78°
	Distance	Up to 75 ft (25m) IR night vision in total darkness
Minimum Focus Distance		0.3 ft (zoomed out) - 3 ft (zoomed in)

VIDEO/AUDIO

Compression		H.264 (Baseline, Main, High Profile), MJPEG
Bitrate Control		CVBR, VBR
Resolution		1920x1080, 1280x720/960/1024, 1024x768, 704x480/576, 640x360/480, 320x240
Frame Rate		Max. 60fps @ Full-HD
Streaming		60fps (Dual Stream : H.264x1, MJPEGx1), 30fps (Triple Stream : H.264x2, MJPEGx1)
Composite Out		Yes (requires special cable accessory, not included)
Audio Compression		AAC or G.711 (with user supplied external amplified microphone)
Audio Streaming		2 Way (with user supplied external amplified speaker)

SYSTEM

Video Contents Analysis		Image Stabilization, Face Dectection, Tampering, Line & Field Detector
Motion Detection Area		16 Programmable Areas (8 Include Areas, 8 Exclude Areas)
Special Features		Aisle mode (90 or 270 degree rotation), 8 Privacy Zones
Email Attachment or FTP Upload		JPEG
Event Notification		E-mail, FTP, Notification Server, XML Notification, Audio Alert, AIHM
Audio Alert		User-Defined 3 Audio Files
Login Authority		Administrator, Operator (with lens control), Guest
Event Buffering	FTP	Pre : 30sec, Post : 30sec
	SD Record	Pre : 10sec, Post : 60sec
Manual Trigger		4 Programmable Triggers
Security		Multi User Authority, IP Filtering, HTTPS & SSL (for admin/settings)
Network Time Sync		NTP Server, Synchronized Computer, Manual
Software Reset		Restart, Reset, Factory Default
Hardware Factory Reset		Yes
Auto Recovery		Backup, Restore
Remote Upgrade		Yes
SD Recording Mode		Event, Continuous

NETWORK

Protocol	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, QoS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf, Bonjour
Client Software compatibility	Internet Explorer, Titanium, Milestone, LuxRiot, BlueIris, SecuritySpy, VLC
Max. User Connection	Live : up to10 Users, Playback : up to3 Users
API Support	Open API, Onvif Compliance
Mobile Support	Mobilinc, tinyCam, ONVIF compatible apps, free Titanium for use with NVR

EXTERNAL IN/OUT

Video Composite Out	3.5mm jack for optional accessory monitor
Audio	1 Input, 1 Output(3.5mm Stereo Jack)
Alarm	1 Input, 1 Output(Terminal Block)
Ethernet	RJ-45(10/100Base-T)
MicroSD Card	MicroSDHC, MicroSDXC (Max 256GB, class 10 or faster)
OSD Remote Control	Wired Remote Controller(3.5mm Stereo Jack, Optional)

ETC

Operating Humidity	0 to 100 % RH (Weatherproof in rain, snow, ice conditions)
Operating Temperature	-22 to +120 degrees F (-30 to +50℃)
Power Supply (not included)	PoE+ (802.3 at Compliance) or 12VDC
Power Consumption	Less than 15 watts when heater is not active (typically above 45 degrees F) 470mA (23W) @ PoE or 2.5A(30W) @ 12VDC when built in heater is active
Dimensions	3.9" (Width) x 4.9" (Height) x 9.75" (Depth)
Net Weight	2.3 lbs (1.04 kg)
Ingress Protection	IP66

Specifications are subject to change without notice.