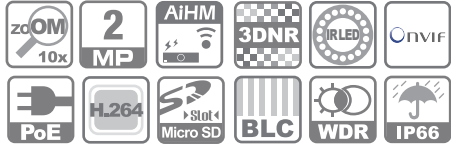


# Sharx HTNC4410LPC

Full HD 60 fps License Plate Camera, Motorized 10x Zoom



## Key Functions

- Multi-shutter electronics for up to 5 individually adjustable shutter speeds
- Supports H264 LPR software at full HD resolution up to 60 fps frame rate (Tested with OpenALPR at full H.264 resolution, full frame rate)
- Supports MJPEG LPR software at full HD @ 2 fps or 704 x 576 @ 30 fps (Tested with Milestone LPR, Luxriot LPR at supported MJPEG frame rates)
- 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

## Similar Models in this series

- HTNC4410M** (same 10X zoom bullet camera without license plate support)
- 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)

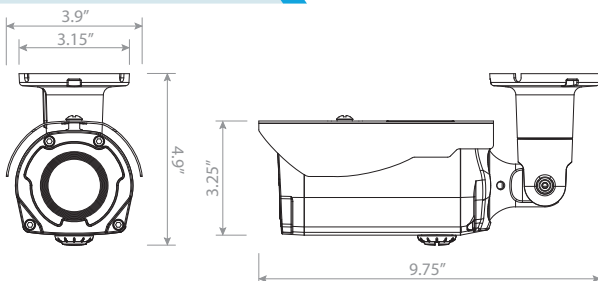
## Software

- 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



## 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
- Special IR optics and multi-shutter electronics for license plate capture
- 32 IR LEDs for up to 75 ft IR range. Add a Sharx HTNC4430XIR to extend up to 650 ft
- Connectors for Audio In/Out (1/1), Alarm In/Out (1/1)
- Solid metal construction, cable connection concealed in camera mount
- Mounts to wall or eave with or without optional junction box (pole mount available)
- MicroSDHC card up to 256 GB
- Powered by PoE+ (802.3at) or 12VDC (power supply not included)
- Suitable for US government applications - made in Korea without Huawei components

## Technical Specifications

Model		Sharx Security HTNC4410LPC - made in South Korea	
<b>IMAGE</b>			
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)	
Image Sensor mode		Black & White, for color support consider non-LPC model HTNC4410M	
Scanning Mode		Progressive Scan	
Wide Dynamic Range		True WDR(120dB) supported, not typically used for license plate capture	
Day and Night Mode		License plate optics / electronics work in black & white during day & night	
Noise Reduction		3DNR	
Digital Zoom		16X	
Exposure Control		Manual, Multi-shutter, Iris priority	
White Balance Control		Black & White only	
Back Light Compensation		Support, but not typically used for license plate capture	
Image Effect		Flip (upside down)	
Flicker Free Mode		50Hz, 60Hz	
Shutter Speed		Multi-shutter support for cycling through up to 5 separate speeds	
IR Illuminator	Quantity	32 IR LEDs, adjustable strength, supplemental IR source recommended	
	Angle	78°	
	Distance	Up to 75 ft (25m). Note: High shutter speeds require additional IR light	
Minimum Focus Distance		3 ft	
<b>VIDEO/AUDIO</b>			
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 H.264, Max 2fps @ Full-HD or 30fps @ 704x576 MJPEG	
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)	
<b>SYSTEM</b>			
Video Contents Analysis		Image Stabilization, 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	
<b>NETWORK</b>			
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 to 10 Users, Playback : up to 3 Users	
API Support		Open API, Onvif Compliance	
Mobile Support		Mobilinc, tinyCam, ONVIF compatible apps, free Titanium for use with NVR	
<b>EXTERNAL IN/OUT</b>			
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)	
<b>ETC</b>			
Operating Humidity		0 to 100 % RH (Weatherproof in rain, snow, ice conditions)	
Operating Temperature		-22 to +120 degrees F (-30 to +50 °C )	
Power Supply (not included)		PoE+ (802.3at Compliance, Class 4 only) or 12VDC	
Power Consumption		Less than 15 watts when heater is not active (typically above 45 degrees F) 470mA (23W) @ PoE or 1.6A(19W) @ 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	



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Specifications are subject to change without notice.