**Key Features**

- Full HD (1920x1080) 60 fps for capturing fast motion or 30 fps for higher light sensitivity
- Motorized Vari-Focal 4.3 to 129 mm, full PTZ motorized 30 x optical zoom and auto focus
- True Day & Night mode with 400m / 1300 ft IR night vision in total darkness
- True Wide Dynamic Range (120dB)
- 360 degrees endless pan / rotation, 380 degrees per second pan or tilt speed with presets
- 100 degrees tilt range
- 256 preset PTZ settings including tours, scans, privacy and motion presets
- Solid metal base. A matching wall bracket HPWTZ is required, available from Sharx Security
- MicroSDHC Card up to 256 GB (optionally available from Sharx Security)
- High Power PoE, 12VDC (56 V PoE power supply is included)
- Suitable for US government applications - made in Korea without Huawei components

**Technical Specifications**

- **Model**: Sharx Security HTN4430XIR - made in South Korea
- **Image**
  - Lens: Motorized Varifocal Optical Zoom 30X, 4.3~129mm
  - Angle of View: 65° (moderate wide angle) ~ 2.3° (super telephoto)
  - Image Sensor: 1/2.8” SONY STARVIS CMOS Sensor
  - Image Sensor Type: Progressive Scan
  - Min. Illumination: Color: 0.35Lux / BW: 0.013Lux(0RE, 0Lux(IR LED On)
  - Scanning Mode
  - Wide Dynamic Range: True WDR(120dB)
  - Day and Night Mode: True Day & Night
  - Noise Reduction: 30dB
  - Digital Zoom: 16X
  - Exposure Control: Auto, Manual, Shutter Priority, Iris Priority
  - Back Light Compensation: Yes
  - Image Effect
    - Flip: 0
    - Shutter Speed: 30 fps : Auto(1/50,000 to 1/3 sec), Manual 60 fps : Auto(1/50,000 to 1/8 sec), Manual
  - IR Illuminator: Quantity: Synchronized IR LED, LED IR LED
  - Angle: 5°~60°
  - Distance: Up to 1300 ft (400m)
- **Video/Audio**
  - Compression: H.264/Baseline, Main, High Profile, MJPEG
  - Bitrate Control: CVBR, VBR, VBR
  - Resolution: 1920×1080, 1280×1024, 1280×720/960, 704×480/576, 640×360/480, 320×240
  - Frame Rate: Max. 60 fps @ Full HD
  - Streaming:
    - Max. 30 fps (Dual Stream: H.264x1, MJPEGx1)
    - Max. 30 fps (Triple Stream: H.264x2, MJPEGx1)
  - Audio Compression: AAC or G.711 (with user supplied external amplified microphone)
  - Audio Streaming: 2 Way (with user supplied external amplified speaker)
- **PTZ Function**
  - Pan Range: 360° Endless
  - Pan Speed: Max. 380°/sec (Presets)
  - Tilt Range: -10°~90°
  - Tilt Speed: Max. 380°/sec (Presets)
  - Presets, Tours, Patterns: 256 including 8 tours, 8 scan patterns, home function
- **System**
  - Video Contents Analysis: Image Stabilization, Face Detection, Tampering, Line & Field Detector
  - Motion Detection Area: 16 Programmable Areas (8 Include Areas, 8 Exclude Areas)
  - Privacy Masking: 16 Programmable Zones
  - Email Attachement and FTP Upload: Yes
  - Event Notification:
    - FTP: Yes
    - Notification Server, XML Notification, Audio Alert, AHIM
  - Login Authority:
    - Administrator: Operator, Guest
    - Pre: 10sec, Post: 60sec
  - Event Buffering: SD Record
  - Manual Trigger: 4 Programmable Triggers
  - Software Reset: Yes
  - Hardware Factory Reset: Yes
  - Auto Recovery: Backup, Restore
  - Remote Upgrade: Yes
  - SD Recording Mode: Event, Continuous
- **Network**
  - Protocol: TCP/IP, UDP, IPv4/6, HTTP, HTTPS, QoS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf, Bonjour
  - Client Software: Internet Explorer, Titanium, Milestone, Luxriot, Illunia, SecuritySpy, VLC
  - Max. User Connection: Login: 10 Users, Playback: 3 Users
  - API Support: Open API, Onvif Compliance
  - Mobile Support: Mobilink, tinyCam, ONVIF compatible apps, free Titanium for use with NVR
- **External In/Out**
  - Audio: 1 Input, 1 Output
  - Alarm: 4 input, 1 Output
  - Ethernet: RJ-45x1/10/100Base-T
  - u-SD Card: MicroSDHC, MicroSDXC (Max 256GB, class 10 or faster)
  - ETC
  - Operating Humidity: 0 to 100 % RH (Weatherproof in rain, snow, ice conditions)
  - Operating Temperature: -22 degrees F to +149 degrees Fahrenheit (-30 to +65 °C)
  - Power Supply: 56 V High Power PoE Injector (included), 12VDC
  - Power Consumption: 500mA (28W) @ PoE, 2.500mA (28W) @ 12VDC
  - Dimension: 8.0” diameter x 12” height
  - Net Weight: Approx. 10.8 lbs (4.9kg)
  - Ingress Protection: IP66