

HNC6D54NIU

4 × 5MP Network Multi-Sensor AI Camera, 4-Directional Varifocal Lens

NDAA COMPLIANT | FCC CERTIFIED



- 20MP resolution (2592 × 1944 per sensor)
- IR night vision, up to 100 ft
- Smart analytics: line crossing (human/vehicle), intrusion (human/vehicle), loitering detection
- Motorized vari-focal 2.8 mm to 12 mm lens, 100° to 42° field of view
- IP67 / IK10 rated housing

[See compatible mounts on page 3](#)

Specifications

CAMERA

Image Sensor	Four 5MP 1/2.7-in. Progressive CMOS sensor
Maximum Resolution	2592 × 1944 per sensor
Minimum Illumination	Color: 0.005 Lux at F1.7 Black and White: 0.0005 Lux at F 1.7 0 Lux with IR on
Number of Illuminators	8 IR LEDs, 4 per Sensor
Illuminator Control	Automatic, Manual
Maximum Illumination Distance	Up to 30 m (100 ft)
Electronic Shutter Speed	Automatic, Manual 1/3 s to 1/100,000 s
Installation Angle	Pan: 0° to 360° Tilt: 0° to 75° Rotation: 0° to 355°
S/N Ratio	> 56 dB

LENS

Iris Type	Fixed
Lens Type	Motorized Vari-Focal
Focal Length	2.8 mm to 12 mm
Maximum Aperture	F1.7
Field of View	Horizontal: 100° to 42° Vertical: 74° to 32° Diagonal: 133° to 53°
Close Focus Range	0.8 m (2.6 ft)
DORI Distance	Detect: 66.0 m to 140.4 m (216.5 ft to 460.6 ft) Observe: 26.4 m to 56.1 m (86.6 ft to 184.1 ft) Recognize: 13.2 m to 28.8 m (43.3 ft to 94.5 ft) Identify: 6.6 m to 14.0 m (21.7 ft to 45.9 ft)

VIDEO

Compression	Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG (Sub Stream Only)
Standard Codec	Supported
Stream Capability	Three (3)
Resolution	Single Stream: 5MP (2592 × 1944), 4MPP (2560 × 1440), 3MP (2304 × 1296/2048 × 1536), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240) Consolidated Stream: 8MP (3296 × 2472), 5MP (2592 × 1944), 1080p (1920 × 1080)
Maximum Frame Rate	Single Stream Main Stream: 5MP at 30 fps Sub Stream 1: D1 at 30 fps Sub Stream 2: 1080p 30 fps Consolidated Stream Main Stream: 2MP at 30 fps Sub Stream 1: D1 at 30 fps Sub Stream 2: 8MP at 30 fps
Video Bit Rate	H.264: 3 kbps to 19,712 kbps H.265: 3 kbps to 19,712 kbps
Bit Rate Control	CBR/VBR
Day/Night	Auto (ICR), Color, Black and White
Noise Reduction	3D NR
Light Balancing	DWDR
Image Angle	0°/90°/180°/270°
Mirror Rotation	Supported
Region of Interest	Four (4) Zones
Privacy Masking	Eight (8) Zones

ANALYTICS

Video Content Analytics+	Line Crossing (Human/Vehicle), Intrusion (Human/Vehicle), Loitering Detection, Parking Detection
Face Detection	Capture Snapshots and Facial Attributes
AI Analytics	Face Detection, People Counting, Smart Object Detection
People Counting	Tripwire and In-Area People Counting, Queue Management With Report

AUDIO

Compression	G.711a, G.711Mu, PCM
Interface	Input: One-Channel RCA Port Output: One-Channel RCA Port

ALARM

Event	No SD Card, Disk Full, SD Card Error, Offline, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Voltage Detection, Security Exception, Line Crossing, Intrusion, Abandoned Object, Missing Object, Loitering Detection, People Gathering, Parking Detection, Scene Changing, Audio Detection, External Alarm, Face Detection, People Counting In Area, Abnormal Number of People Detection, People Counting, People Stay Detection
Interface	Input: Three (3) Channels (Max. 5 VDC, 5 mA) Output: Two (2) Channels (Max. 12 VDC, 300 mA)

NETWORK

Interface	RJ-45 (10/100 Base-T)
Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP; NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x
Interoperability	ONVIF (Profile S/G/T), API, P2P
Browser	Chrome, Firefox, Edge
Client	NeoViewer
Storage	FTP, SFTP, MicroSD Card (Max. 256 GB), NAS

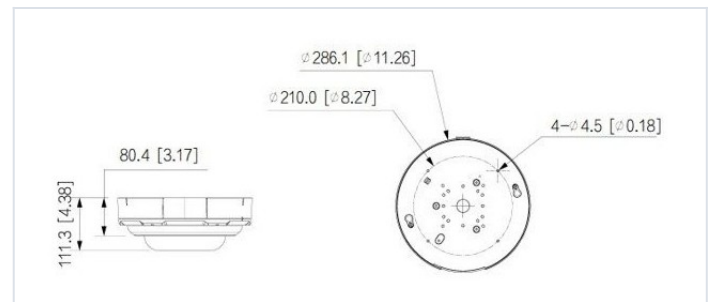
ELECTRICAL

Power Supply	12 VDC, PoE+ (802.3at)
Power Consumption	< 24.7 W

CONSTRUCTION

Net Weight	2.8 kg (6.1 lb)
Gross Weight	4.5 kg (9.9 lb)
Operating Temperature	-30 °C to 60 °C (-22°F to 140°F) < 95% RH (Non-Condensing)
Storage Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Protection Ratings	IP67, IK10
Product Dimensions (L x W x H)	111.3 mm × Φ286.1 mm (4.4 in. × Φ11.3 in.)
Material	Metal, Plastic

DIMENSIONS



CERTIFICATIONS AND COMPLIANCE

Certifications	FCC, IC
Compliance	NDAA

Compatible Mounts

The mounts below are compatible with this camera and are sold separately. Click any SKU to see photos and details on huntcctv.com, or contact us at (888) 993-4868 or info@huntcctv.com if you are not sure which mount fits your installation.

MOUNT TYPE	SKU	DESCRIPTION
Wall Mount	HTH-602NJ ↗	PTZ Wall Mount
Telescope Mount, 2–4 ft	HTH-661NJ-24 ↗	PTZ Telescope Mount, 2–4 ft
Telescope Mount, 3–6 ft	HTH-661NJ-36 ↗	PTZ Telescope Mount, 3–6 ft
Parapet Mount	HTH-660NJ ↗	PTZ Parapet Mount