HC-IPC-TQA4415L-TWL-0600

Product Features

≥ High quality image with 5MP, 1/1.8"CMOS sensor and F1.0 large aperture lens

≥ 5MP (2880*1620)@25/20fps; 4MP (2560*1440)@25/20fps; 3MP (2304*1296)@30/25fps; 2MP (1920*1080)@30/25fps;

≥ Ultra 265, H.265, H.264, MJPEG

≥ Support DarkHunter technology, deeply optimizing color, detail, and smear effects in extremely low-light scenes

≥ 120dB true WDR technology enables clear image in strong light scene

≥ Support 9:16 Corridor Mode

≥ Built-in Mic& Speaker

≥ Warm Light, up to 50m warm light distance

≥ 7 warm lights (5 for supplementary lighting + 2 for warning purposes)

≥ Supports 512 GB Micro SD card

≥ IP67 protection
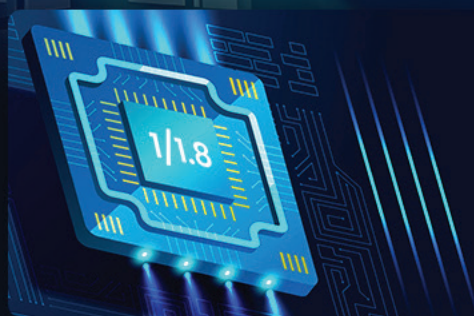
≥ Support PoE power supply

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Nighttime is no longer a mystery! View colors at night.

F1.0

F1.0 Starlight Lens with 1/1.8" Sensor

F1.0 Dark Hunter Lens with 1/1.8" Starvis Sensor

1/1.8

INGRESS PROTECTION

Built to withstand harsh environments with IP67-rated protection—dust-tight and water-resistant for reliable performance in any weather condition.

DARK HUNTER

View vivid & full-color footage even in low-light conditions for better detail and clarity.

Normal Camera

Dark Hunter

Stay away from darkness. Record and monitor color videos even at night with the Dark Hunter camera.

Supports 512 GB Micro SD card

Easily expand your storage with support for up to 512GB Micro SD card—perfect for capturing and storing more high-quality footage without interruptions.

Specifications

Max Resolution	5 MP
Sensor	1/1.8" CMOS
Min. Illumination	Colour: 0.0003 lux (F1.0, AGC ON)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°
S/N	>52 dB
WDR	120 dB

Lens

Focal Length	4.0 mm	6.0 mm
Iris Type	Fixed	
Iris	F1.0	
Field of View (H)	88.2°	61.8°
Field of View (V)	47.6°	33.5°
Field of View (D)	104.0°	71.0°

Illuminator

Supplemental Light	Warm light
Alert Alarm	50 m (164.0 ft)
Light On/Off Control	Auto/Manual

Video

Video Compression	Smart 265, H.265, H.264, MJPEG
H.264 Code Profile	Baseline profile, Main profile, High profile
Frame Rate	Main Stream: 5MP (2880*1620), Max 25fps; 4MP (2560*1440), Max 25fps; 3MP (2304*1296), Max 25fps; 2MP (1920*1080), Max 30fps; 720P (1280*720), Max 30fps; Sub Stream: 640*360,Max 30fps; 2CIF(704*288), Max 30fps; CIF(352*288), Max 30fps;
Video Bit Rate	128 Kbps to 6144 Kbps
U-code	Support
OSD	Up to 4 OSDs
Privacy Mask	Up to 4 areas
ROI	Support
Video Stream	Video Stream

Image

White Balance	Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Smart Illumination	Support
Flip	Normal, Flip Vertical, Flip Horizontal, 180º, 90º Clockwise, 90º Anti-clockwise
Dewarping	N/A
HLC	Support
BLC	Support

Defog	Digital Defog

Events

Basic Detection	Motion Detection, Ultra Motion Detection, Tampering Alarm, Audio Detection
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication, HTTP Authentication

Intelligent

Smart Intrusion Prevention (Lite)	Intrusion, Crossline Detection (Both detection are based on human body and vehicle detection)

Audio

Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz

Storage

Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR, NAS (NFS)

Interface

Audio I/O	1 Input: impedance 35 kΩ, amplitude 2 V [p-p], 1 Output: impedance 600 Ω, amplitude 2 V [p-p]
Alarm I/O	1/1
Serial Port	N/A
Built-in Mic	Support
Built-in Speaker	Support
WIFI	N/A
Network	1 × RJ45 10 M/100 M Base-TX Ethernet

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Video Output	N/A

General

Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Consumption	Max 5.0W
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	255 × 125 × 105mm (10.0" × 4.9" × 4.1") (L x W x H)
Weight	0.87kg(1.92lb)
Material	Graphene + Plastic
Working Environment	-30 to 60 (-22 to 140), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 to 60 (-22 to 140), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	4 KV
Reset Button	Support