

4MP SOLAR POWER FIXED LENS NETWORK CAMERA

SECURING YOUR LIFE

TB-SPD4-H4801FBI/4G

Product Image Dimensions

- Dimensions: 686.6 × 442.6 × 760 mm
- Weight: 11.70 kg (25.8 lb)
- Power Supply: battery 12.6 V, 8.4 Ah × 2 packs
- Battery Voltage: 9 V to 12.6 V
- Battery Life: more than 500 cycles
- Operating Conditions: -20°C to 50°C (-4°F to 122°F), Humidity less than 95% RH (non-condensing)



Features

- 1/3" progressive scan CMOS
- Max. 4MP(2688 × 1520) @15fps resolution
- 4mm fixed lens (6mm optional)
- Standalone with solar panel and built-in battery
- 24/7 colorful imaging
- H.265+/H.265/H.264+/H.264/MJPEG
- WDR (120dB), BLC, HLC, 3D DNR
- Support 4G (LTE-TDD/LTE-FDD/TD-SCDMA) communication
- Built-in Microphone and Speaker (two-way audio)
- Built-in SD card slot
- White Light distance up to 30m
- IP65



ONVIF®



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Specifications

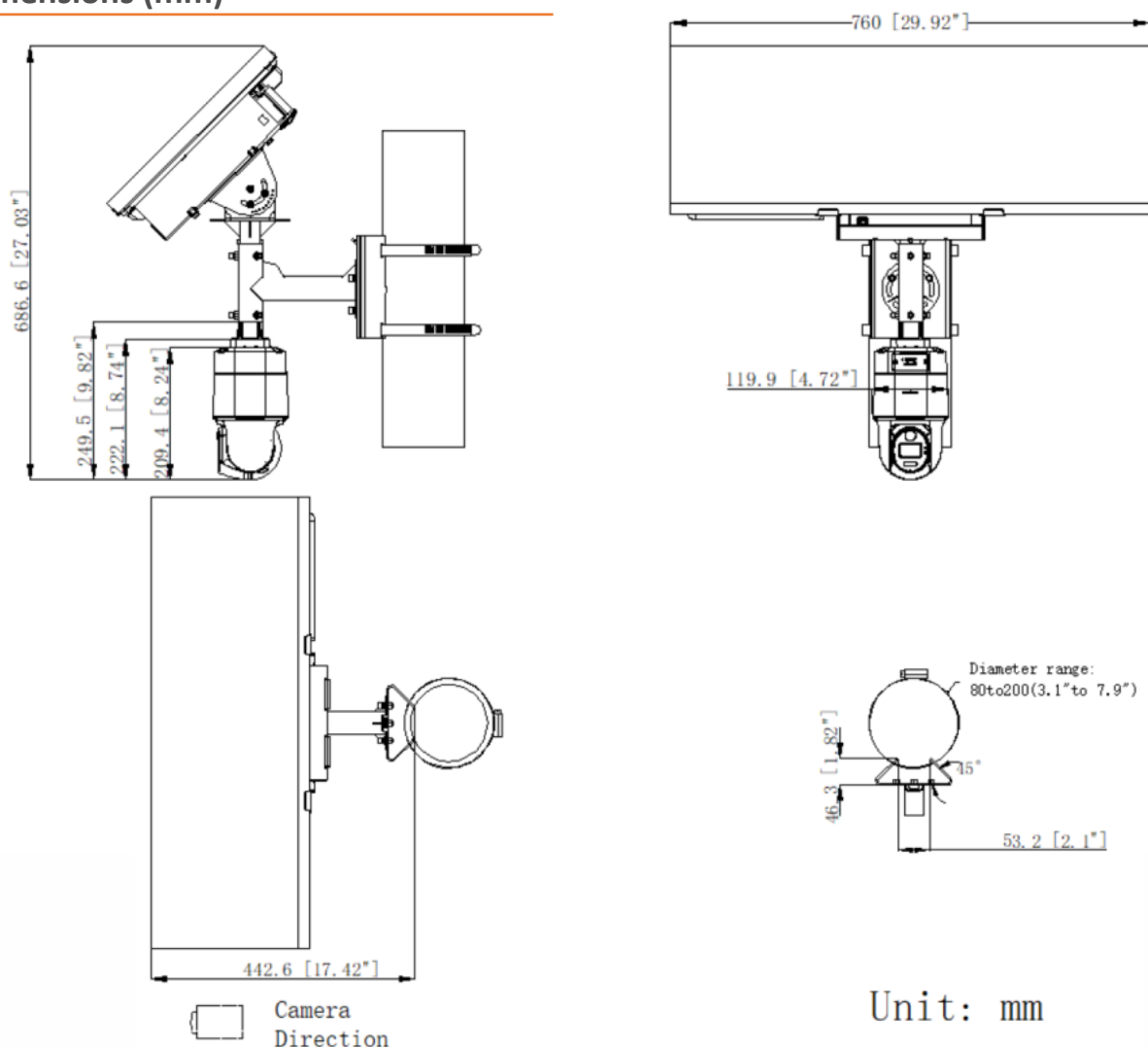
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	4MP (2688 × 1520)
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
Shutter Time	1/3 s to 1/100,000 s
Day & Night	24/7 color imaging
Angle Adjustment	Solar panel: pan: 0° to 358°, tilt: -40° to 0°; Camera: pan: 0° to 340°, tilt: -5° to 105°
Lens	
Lens Type	Fixed focal lens, 4 and 6 mm optional
Iris	Fixed Iris
Aperture	F1.0
Depth of Field	4 mm: 2.7 m to ∞ 6 mm: 5.9 m to ∞
Focal Length & FOV	4 mm, Horizontal FOV: 75°, Vertical FOV: 40°, Diagonal FOV: 89° 6 mm, Horizontal FOV: 49°, Vertical FOV: 27°, Diagonal FOV: 57°
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Performance mode: up to 30 m, proactive mode: up to 10 m
Smart Supplement Light	Yes
Video and Audio	
Streaming Capability	Multiple streaming (2 Streams)
Main Stream	50 Hz: 12.5 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 12.5 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265/ H.264 Sub-stream: H.265/H.264/MJPEG H.264+ and H.265+: main stream supports under performance mode
Video Bit Rate	32 Kbps to 8 Mbps
Codec	H.265+/H.265/H.264+/H.264/MJPEG
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Audio Sampling Rate	8 kHz/16 kHz
Environment Noise Filtering	Yes
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)

Network	
Security	Password protection, complicated password, basic and digest authentication for HTTP, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
Simultaneous Live View	Up to 6 channels
API	ONVIF (profile S/G/T), SDK
Protocols	TCP/IP, ICMP, HTTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Network Storage	Auto Network Replenishment (ANR)
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Mobile Communication	
Uplink and Downlink Data Rate	Cat 4, uplink: 50 Mbps, downlink: 150 Mbps
SIM Card Type	Micro SIM
Frequency	EU: LTE-TDD: B38/B40/B41 LTE-FDD: B1/B3/B5/B7/B8/B20/B28 WCDMA: B1/B5/B8 GSM: B3/B5/B8 LA: LTE-TDD: B38/B40 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B28/B66 WCDMA: B1/B2/B3/B4/B5/B8 GSM: B2/B3/B5/B8 US: LTE-FDD: B2/B4/B5/B12/B13/B17/B66/B71 WCDMA: B2/B4/B5
Standard	LTE-TDD, LTE-FDD, WCDMA, GSM
Image	
SNR	≥ 52 dB
Privacy Mask	4 programmable polygon privacy masks
Wide Dynamic Range (WDR)	120 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser

Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in eMMC storage, up to 64 GB, Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB, For eMMC storage, 50 GB is available for recording.
Built-in Microphone	Yes
Built-in Speaker	Yes
Reset Key	Yes
Event	
Basic Event	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
Linkage	Upload to NAS/memory card, notify surveillance center, trigger recording, trigger capture, audible warning
General	
Power	- Typical power scenarios: 1.85 W (4G working) - Standby scenarios: 40 mW - Max. power consumption: 6 W - Power Supply: 12 VDC $\pm$ 25% - For debugging only: 40 W (deviation: $\pm$ 2 W) Solar panels - Power Interface: + Power supply interface: $\varnothing$ 5.5 mm coaxial power plug + Extended solar panel: four-core aviation connector
Material	Camera: Plastic, Solar panel: Metal
Storage Conditions	-20 °C to 50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat, mirror, flash log
Startup and Operating Conditions	-20 °C to 50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing)
Dimension	686.6mm $\times$ 442.6mm $\times$ 760 mm (27.03" $\times$ 17.42" $\times$ 29.9")
Package Dimension	902 mm $\times$ 342 mm $\times$ 440 mm (35.5" $\times$ 13.5" $\times$ 17.3")
Weight	Approx. 11.70 kg (25.8 lb.)
With Package Weight	Approx. 15.01 kg (33.1 lb.)
Protection	IP65

Battery	
Battery Type	Ternary Lithium
Capacity	8.4 Ah × 2 packs
Max. Charging Voltage	12.6 V
Operating Temperature	Charging: -20 °C to 45 °C (-4 °F to 113 °F) Discharging: -20 °C to 60 °C (-4 °F to 140 °F)
Battery Voltage	9 V to 12.6 V
Cycle Lifetime	Performance mode: 3.6 days, Proactive mode: 6 days, Standby mode: 30 days
Battery Life	More than 500 cycles
Battery Weight	Approx. 1400 g (3.1 lb.)

Dimensions (mm)



Unit: mm

Specifications subject to change without notice.