4MP ANPR BULLET 4G NETWORK CAMERA
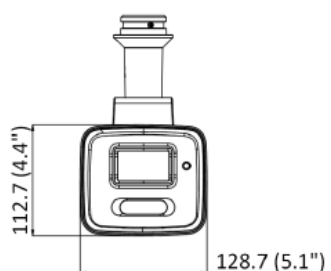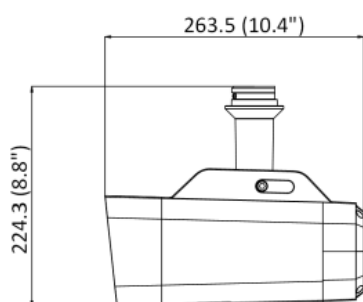
TB-VEB5-H4811VFBI/4G

Product Image Dimensions

- Dimensions: 816.2 × 735.9 × 760 mm
- Weight: 2.3 kg (5.1 lb.)
- Power Supply: 12 VDC
- Operating Conditions: -20°C to 60°C (-4°F to 140°F), Humidity less than 95% RH (non-condensing)

Features

- 1/1.8" progressive scan CMOS
- Max. 4MP(2560×1440) @25/30fps resolution
- 2.8 to 12 mm motorized varifocal lens (8 to 32 mm optional)
- Codec H.265, H.264, MJPEG
- True WDR, 3D DNR, HLC, BLC, Defog
- Intelligent AI-powered LPR Algorithm
- Max recognition speed of 100km/h
- Up to 10,000 blacklist and whitelist
- Support 4G communication
- Supports Wiegand, connectable with access control system
- Built-in SD card slot
- Smart IR distance up to 30m
- IP66

263.5 (10.4")

224.3 (8.8")

112.7 (4.4")

128.7 (5.1")

Unit: mm (inch)

Onvif®

Specifications

Camera	
Image Sensor	1/1.8" progressive scan CMOS
Max. Resolution	4MP (2560×1440)
Shutter Time	1 s to 1/100,000 s
Min. illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0 Lux with light
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm (8 to 32 mm optional)
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 107.4° to 39.8°, vertical FOV 56° to 22.4°, diagonal FOV 130.1° to 45.7° 8 to 32 mm, horizontal FOV 40.3° to 14.5°, vertical FOV 22.1° to 8.2°, diagonal FOV 46.9° to 16.5°
Focus	Auto, Semi-auto, Manual
Iris Type	Auto-iris
Aperture	2.8 to 12 mm: F1.2, 8 to 32 mm: F1.6
Illuminator	
Supplement Light Type	IR
Supplement Light Range	2.8 to 12 mm: Up to 30 m 8 to 32 mm: Up to 50 m
Smart Supplement Light	Yes
Video and audio	
Streaming Capability	Multiple streaming (3 Streams)
Main Stream	Performance mode: 50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720) Proactive mode: 50 Hz: 12.5 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	Performance mode: 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360) Proactive mode: 50 Hz: 12.5 fps (640 × 480, 640 × 360) 60 Hz: 15 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 1 fps (1280 × 720, 640 × 480) 60 Hz: 1 fps (1280 × 720, 640 × 480)
Video Compression	Main stream: H.264/H.265 Sub-stream: H.264/H.265/MJPEG Third Stream: H.265/H.264 *Performance mode: main stream supports H.264+, H.265+
Video Bit Rate	32 Kbps to 8 Mbps

Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	4 fixed regions for main stream
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
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)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Simultaneous Live View	Up to 6 channels
API	ONVIF (S/G/T), SDK, OTAP
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, TLS 1.2, TLS 1.3
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Web Browser	Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Mobile Communication	
SIM Card Type	MicroSIM
Frequency	LTE-TDD: Band38/40/41 LTE-FDD: Band1/3/5/7/8/20/28 WCDMA: Band1/5/8 GSM: 850/900/1800 MHz
Standard	LTE-TDD/LTE-FDD/WCDMA/GSM
Image	
Wide Dynamic Range (WDR)	120 dB
Day/Night Switch	Day, Night, Auto, Schedule, Video Trigger
Image Enhancement	BLC, HLC, 3D DNR, Defog
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance
SNR	≥ 52 dB
Privacy Mask	4 programmable polygon privacy masks

Interface	
Audio	1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	1 input, 1 output (max. 12 VDC, 1 A)
On-Board Storage	Built-in memory card slot, support microSD card, up to 256 GB, Built-in 8 GB eMMC storage
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Wiegand	1 Wiegand

Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, scene change detection, face detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output, audible warning

Deep Learning Function	
Road Traffic and Vehicle Detection	Blocklist and allowlist: up to 10,000 records Vehicle attribute detection: Not supported Support license plate recognition of vehicles and motorcycles (only in checkpoint scenario) LPR Countries/Regions: 4 areas (Europe, Middle East, Asia-Pacific, Africa) and more than 124 countries/regions (Some areas need to be upgraded to a special program.) License plate recognition rate ≥97% Capture rate ≥95% Vehicle Capture Speed: Front installation in checkpoint scenario: up to 100 km/h; Side installation: up to 60 km/h Capture Mode: License Plate and Vehicle Mode, Vehicle Priority Mode

General	
Power	12 VDC ± 20%, 4-pin M8 waterproof connector 1. Standby power consumption: 45 mW 2. The average power consumption of 24 hours: 3.5 W (4G transmission is excluded) 3. The max. power consumption: 7 W
Material	Front cover: metal, body: metal, bracket: metal
Dimension	816.2 mm × 735.9 mm × 760 mm (32.1" × 28.9" × 29.9") (Max. size of the camera after it is completely assembled)

Package Dimension	862 mm × 352 mm × 762 mm (33.9" × 13.9" × 30.0")
Weight	Approx. 2.3 kg (5.1 lb.)
With Package Weight	Approx. 3.2 kg (7.1 lb.)
Storage Conditions	-20 °C to 60 °C (-4 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-20 °C to 60 °C (-4 °F to 140 °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, Croatia, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-banding, heartbeat, mirror, flash log, password reset via email, pixel counter
Protection	IP66

Accessories (Optional)

Wall Bracket

Junction Box

Ceiling Bracket

Pole Mount

Specifications subject to change without notice.