4MP ANPR NETWORK

Key Features

· 1/3" progressive scan CMOS

· 3.1 to 6mm motorized vari-focal lens

· Starlight technology

· Integrated shield, lights, TF Card (up to 128 G)

· H.264/H.265/MJPEG

· One-touch focus

· IR distance up to 200 m

· Manual capture and ANPR

Starlight | Super WDR | IR | Weather Proof | Privacy Masking | SD XC | Onvif Profile S

System Overview

TB-VEB3A4-2IR camera series, based on deep learning, consists of protective cover, lens, camera, LED and power supply, offers high-definition Progressive Scan CMOS, and integrates intelligent recognition algorithms for specific applications such as entrance management, road safety enforcement, in-vehicle monitoring, parking lot control, etc .

Functions

Starlight Technology

For challenging low-light applications, The Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.002 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Smart H.265

Smart H.265 is the codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265 technology reduces bit rate and storage requirements by up to 70% when compared to standard H.264 video compression.

Environmental

Cameras operate in extreme temperature environments, rated for use in temperatures from -40 °C to +70 °C (-40 °F to +158 °F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certifie d to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection.

The camera allows for ±10% input voltage tolerance, suitable for the unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

Interoperability.

The camera conforms to the ONVIF (Open Network Video Interface Forum) and PSIA (Physical Security Interoperability Alliance) specifi- cations, ensuring interoperability between network video products regardless of manufacturer.

Specification

CAMERA

Image Sensor	1/3" progressive scan CMOS
Min. Illumination	Color: 0.022Lux@(F1.2, AGC ON) B/W: 0.011Lux@(F1.2, AGC ON)
AGC	Auto/Manual Shutter Time 1 to 1/30,000 s
Shutter Speed	1/30 s to 1/100,000 s
Lens	3.1 mm to 6 mm
IR Cut Filter	Support

SNAPSHOT

Picture Format	JPEG with configurable quality
Analytic	Support ANPR
LED Control	Support automatic light control/time control of LEDs

INTERFACE

Communication Interface	1 RJ45 10M/100M Ethernet port
Serial Port	1 RS-485 Port
Built-in LED	2 built-in LEDs (integrated white light and IR)
Audio Output	1-ch audio output
Triggered Input	3-ch triggered input, including 1-ch I/O triggered input and 2-ch alarm input
Relay Output	2-ch relay output, support open/close of barrier gates
Memory Card Slot	1 TF card slot, up to 128GB
Communication Interface	1 RJ45 10M/100M Ethernet port

COMPRESSION STANDARD

Video Compression	H.264/H.265/MJPEG
Vieo Bit Rate	32 Kbps to 16 Mbps

IMAGE

Image Format	JPEG
Max. Resolution	2688*1520
Frame Rate	25 fps(2688*1520)
Image Settings	Saturation: 0 to 100; Brightness: 0 to 100 Contrast: 0 to 100; Gain: 0 to 100 3D DNR: Off, Normal and Expert modes are selectable. White balance: White Balance 1 and White Balance 2 are selectable.

NETWORK

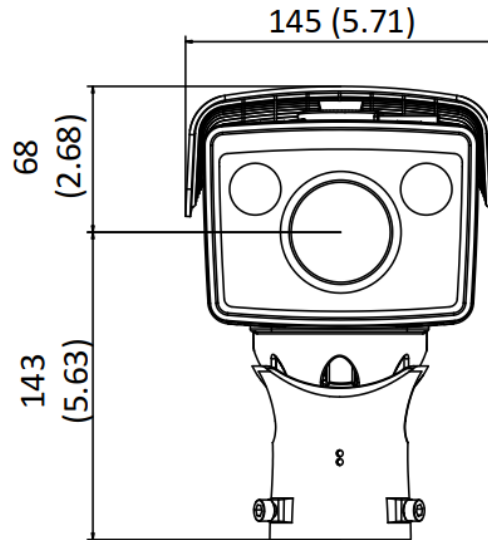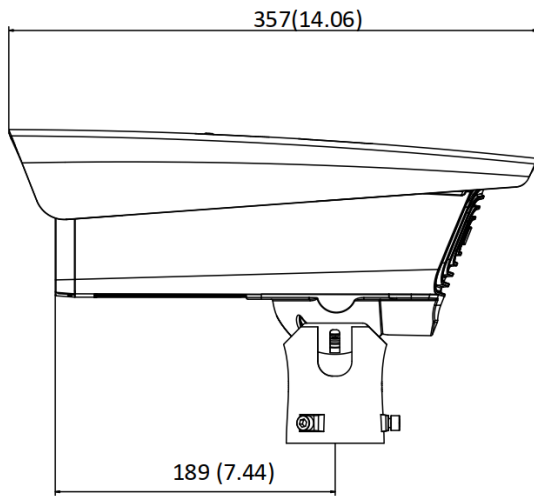|	
Storage	TF
Protocols	TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures
Security	User Authentication, Heartbeat, NTP
API	ISAPI, SDK

GENERAL

Working Temperature	-25°C to 70°C (-13°F to 158°F)
Working Humidity	90% or less (non-condensing)
Power Supply	12 VDC, PoE (802.3af) or AC100V~240V
Power Consumption	22W Max
Protection Level	IP67, IK10

Country/Region supported by ANPR

Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, Philippines, Hong Kong, Macao, Taiwan, Burma, India, Mongolia, Cambodia, Laos, Bangladesh

ANPR Recognition Accuracy (Under recommended installation and lighting conditions)

Capture rate > 98% Vehicle moving direction recognition accuracy > 96%. Mistaken capture rate < 2% (entrance/exit), < 5% (checkpoint)

Dimensions

357(14.06)

189 (7.44)

145 (5.71)

68 (2.68)

143 (5.63)

Unit: mm (inch)

Accessory (Optional)

Hoop Mount   Wall Mount