

WIP225

4 MP WDR IR Bullet Network Camera



- · H.265 & H.264 dual-stream encoding
- · 20fps@4M(2688×1520)&25/30fps@3M(2304×1296)
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- · Multiple network monitoring: Web viewer, CMS(DSS/PSS) &
- · Micro SD card slot, up to 128GB
- · 2.7~13.5mm motorized lens
- · Max IR LEDs Length 60m
- · IP67, PoE













System Overview

The IR Megapixel Motorized camera delivers 2MP/4MP/5MP resolution with a 2.7mm - 13.5mm motorized lens. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 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.265 video compression.

Wide Dynamic Range (WDR)

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 IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 60m (197ft).

Protection (IP67, wide voltage)

The camera allows for ±10% input voltage tolerance, suitable for the



most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure

Environmental

WATASHI cameras operate in extreme temperature environments, rated for use in temperatures from -30° C to +60° C (-22° F to +140° F) with 95% humidity.

Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.







| Technical Specification | | | | | | White Balance | Auto/Natural/Street Lamp/Outdoor/Manual | |
|-----------------------------------|------|---|----------------|----------------|----------|--|--|--|
| Camera | | | | | | Gain Control | Auto/Manual | |
| Image Sensor | | 1/3" 4Megapixel progressive CMOS | | | | Noise Reduction | 3D DNR | |
| Effective Pixels | | 2688(H) ×1520(V) | | | | Motion Detetion | Off / On (4 Zone, Rectangle) | |
| RAM/ROM | | 512MB/32MB | | | | Region of Interest | Off / On (4 Zone) | |
| Scanning System | | Progressive | | | | Electronic Image Stabilization(EIS) | N/A | |
| Electronic Shutter Speed | | Auto/Manual, 1/3~1/100000s | | | | Smart IR | Support | |
| Minimum Illumination | | 0.03Lux/F1.4(Color,1/3s,30IRE) 0.3Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on) | | | | Digital Zoom | 16x | |
| S/N Patio | | More than 50dB | | | | Flip | 0°/90°/180°/270° | |
| S/N Ratio | | Distance up to 60m(197ft) | | | | Mirror | Off/On | |
| IR Distance | | Auto/ Manual | | | | Privacy Masking | Off / On (4 Area, Rectangle) | |
| IR On/Off Control | | 4 | | | | Audio | Audio | |
| IR LEDs | | | | | | Compression | G.711a/ G.711Mu/ AAC/ G.726 | |
| Lens | | Mahadadi 70 Manuali MC | | | | Network | | |
| Lens Type | | Motorized(-ZS),Manual(-VFS) | | | | Ethernet | RJ-45 (10/100Base-T) | |
| Mount Type Focal Length | | Board-in 2.7mm~13.5mm | | | | Protocol | HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP | |
| Max. Aperture | | F1.4 | | | | | ;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;NTP | |
| Angle of View | | | /:72°~20° | | | Interoperability | ONVIF, PSIA, CGI | |
| Focus Control | | H:104°~28°, V:72°~20° Motorized(-ZS),Manual(-VFS) | | | | Streaming Method | Unicast / Multicast | |
| Close Focus Distance | | 0.3m | | | | Max. User Access | 10 Users / 20 Users | |
| Close Focus Distan | Lens | Detect | Observe | Recognize | Identify | Edge Storage | NAS Local PC for instant recording Micro SD Card 128GB | |
| DORI Distance | W | 64m(210t) | 26m(85ft) | 13m(43ft) | 6m(20ft) | Web Viewer | IE, Chrome, Firefox, Safari | |
| | Т | 222m(728ft) | 89m(292ft) 44m | (144ft) 22m(72 | ft) | Management Software | Smart PSS, DSS, Easy4ip | |
| PTZ | | | | | | Smart Phone | IOS, Android | |
| Pan/Tilt Range | | Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360° | | | | Certifications | | |
| Video | | H.265+/H.265/H.264+/H.264 | | | | Certifications | CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B | |
| Compression Streaming Capability | | 2 Streams | , , | | | Interface | | |
| Streaming Capability Resolution | | 4M(2688x1520)/(2560×1440)/ (2304x1296)/1080P(1920x1080)/ SXGA(1280×1024)/1.3M(1280× 960)/720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)CIF(352×288/352×240) | | | | Video Interface | N/A | |
| | | | | | | Audio Interface | 1/1 channel In/Out | |
| | | | | | | RS485 | N/A | |
| Frame Rate | | 4M (1 ~ 20fps)/3M(1 ~ 25/30fps) D1/CIF(1 ~ 25/30fps) | | | | Alarm | 1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC | |
| Bit Rate Control | | CBR/VBR | | | | Electrical | | |
| | | H.265: 12K ~ 8448Kbps | | | | Power Supply | DC12V PoE (802.3af)(Class 0) | |
| Bit Rate | | H.264: 32K ~ 10240Kbps | | | | Power Consumption | <12.6W(-ZS), <12.6W(-VFS) | |
| Day/Night | | Auto(ICR) / Color / B/W | | | | | | |
| DICMAN | | DIC (THC (WDD(1304B) | | | | | | |



BLC Mode

BLC / HLC / WDR(120dB)

DATA SHEET

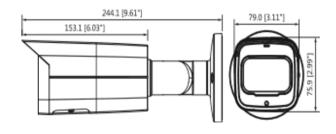
Environmental

| Operating Conditions | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH |
|----------------------|---|
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| Ingress Protection | IP67 |
| Vandal Resistance | N/A |

Construction

| Casing | Metal |
|--------------|---|
| Dimensions | 244.1mm×79mm×75.9mm (9.61"×3.11"×2.99") |
| Net Weight | 0.815kg (1.80lb) |
| Gross Weight | 1.08kg (2.38lb) |

Dimensions (mm/inch)



Accessories

Optional:







Junction Box

Pole Mount

ePoE Over Coax Converter

| Junction Mount | Pole Mount |
|----------------|------------|
| | |

