

WIP224

2MP WDR IR Bullet Network Camera

- · 1/2.8" 2Megapixel progressive Starvis™ CMOS
- · H.265 & H.264 dual-stream encoding
- · 25/30fps@1080P(1920×1080)
- · WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- \cdot Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- · Micro SD card slot, up to 128GB
- · 2.7~13.5mm varifocal lens
- · Max IR LEDs Length 60m
- · IP67,IK10(opsiyonel) PoE









camera's infrared LEDs to compensate the distance of an object. Smart





System Overview

The IR Megapixel Vari-focal camera delivers 2MP/4MP/5MP resolution with a 2.7mm - 13.5mm varifocal 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.

Starlight Technology

For challenging low-light applications, WATASHI's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.006lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

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

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 $\pm 10\%$ 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 against lightning. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even the most unforgiving environments.

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 B
mera						Gain Control
Image Sensor		1/2.8" 2Megap	oixel progressiv		Noise Reduction	
Effective Pixels		1920(H) x1080	(V)		Motion Detetion	
RAM/ROM		256MB/32MB			Region of Interest	
Scanning System		Progressive			Electronic Image	
Electronic Shutter Speed		Auto/Manual,	1/3~1/100000		Stabilization(EIS)	
		0.006Lux/F1.4(0.05Lux/F1.4(Smart IR	
Minimum Illumination		0Lux/F1.4(IR o			Digital Zoom	
S/N Ratio		More than 50d	В		Flip	
IR Distance		Distance up to	60m(197ft)		Mirror	
IR On/Off Control		Auto/ Manual			Privacy Masking	
IR LEDs		4	4			Audio
Lens						Compression
Lens Type		Electronic	Flectronic			Network
Mount Type		Board-in				
			m		Ethernet	
Focal Length		2.7mm~13.5m			Protocol	
Max. Aperture		F1.4			Interenerability	
Angle of View		H:106°~29°, V:	57°~17°		Interoperability	
Focus Control		Fixed			Streaming Method	
Close Focus Distance		0.3m				Max. User Access
DORI Distance	Lens	Detect 46m(150ft)	Observe 18m(59ft)	Recognize 9m(30ft)	Identify 5m(16ft)	Edge Storage
DOM Distance						Web Viewer
DTZ	T	153m(502ft)	o±m(200ft)	31m(102ft) 15r	(+31t)	Management Software
PTZ						Smart Phone
Pan/Tilt Range		Pan:0° ~360° ;	Tilt:0° ~90° ;Ro		Certifications	
Video						
Compression		H.265+/H.265/	/H.264+/H.264		Certifications	
Streaming Capability		2 Streams			Interface	
Resolution		1080P(1920x1 960)/720P(128	30×720)/D1(70		Video Interface	
		VGA(640×480)			Audio Interface	
Frame Rate		1080P (1 ~ 25/	'30fps)			
		D1/CIF(1 ~ 25/	30fps)		RS485	
Bit Rate Control		CBR/VBR			Alarm	
Bit Rate			H.265: 12K ~ 6400Kbps H.264: 32K ~ 10240Kbps			Electrical
		H.264: 32K ~ 1	UZ4UKDPS		Power Supply	
Day/Night		Auto(ICR) / Co	Auto(ICR) / Color / B/W			Power Consumption
BLC Mode			BLC / HLC / WDR(120dB)			

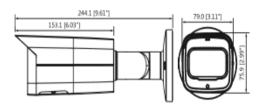
Environmental

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

Junc on Mount	Pole Mount

