WIPX4NMBVAF550

NETWORK IR BULLET CAMERA

4MP H.265 IP IR Bullet Camera with 5–50mm Auto-Focus Lens, Video Metadata and Facial Recognition

Key Features

- H.265+ / H.265 / H.264+ / H.264 / MJPEG coding
- Maximum resolution: 2688 × 1520
- ICR auto switch, true day / night vision
- 70~100m IR night view distance; motorised zoom lens
- 3D DNR, HWDR, HLC, BLC, Defog, Smart IR and ROI coding Support
- Image distortion correction
- Built-in micro SD card slot; up to 256GB
- DC12V/PoE power supply
- IP 67 ingress protection
- Support three streams
- Support remote monitoring by smart phones & tablet PCs with iOS and Android OS
- Support SMD
- Support NAT function
- Multiple smart events can be enabled at the same time
- Dual-system backup

The Genie **WIPX4NMBVAF550** is a 4MP IP IR bullet camera with a 5–50mm auto-focus lens. The camera features video metadata and facial recognition when paired with any Genie AI NVR.

Specification

Camera

Image Sensor	1 / 3" CMOS
Image Size	2688 × 1520
Electronic Shutter	1 / 3s ~ 1 / 100000 s
Iris Type	DC Iris
Minimum Illumination	0.005 lux@F1.6, AGC ON; 0 lux with IR
Lens	5~50mm@F1.6 H.FoV: 45.5°~7°; V.FoV: 26°~5°; D.FoV: 54°~9°
Focus	Motorised
Lens Mount	Φ14
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°; Rotation: 0°~360°
Day & Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
S/N Ratio	≥50dB
Digital NR	3D DNR

Image

Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile, Main Profile, High Profile
Resolution	4MP (2688×1520), 2592×1520, 2K (2560×1440), 3MP(2304×1296), 1080P (1920×1080), 720P (1280×720), D1, VGA(640×480), 640×360, CIF, 480×240
Main Stream	4MP/2592×1520/2K/3MP/1080P (60Hz: 1 ~ 30fps; 50Hz: 1~25fps)
Sub Stream	1080P (60Hz:1~15fps; 50Hz:1~12fps)/ 720P/D1/VGA/640×360/480×240/ CIF(60Hz: 1 ~ 30fps; 50Hz: 1~25fps)
Third Stream	720P/D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Bit Rate	64 Kbps ~ 8 Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A / U
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. Adjustable through client software or web browser.
ROI	Each ROI to be configured separately

Functions

Remote Monitoring	Web browsing, NVMS, NVR, Mobile App
Web Browser	Chrome 105.0+/Edge 105.0+/Firefox 121.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 8 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, HTTPS, NAT, QoS
Interface Protocol	Onvif compliant
API & SDK	Yes
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, sensor alarm, audio alarm
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, disarming, ANR, cloud upgrade
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP/API
PoE	Yes , IEEE802.3af
IR Distance	70 ~ 100 m
Ingress Protection	IP67

Interface

Network	RJ 45 (10/100 Base-T)
Video Output	CVBS output (BNC×1)
Audio	1CH audio input; 1CH audio output; 1CH built-in MIC
Alarm	1CH alarm input; 1CH alarm output
Storage	Built-in micro SD card slot; up to 256GB
Hardware Reset	Yes

DORI Distance

Lens	Detect	Observe	Recognise	Identify
5~50mm(W)	73(163ft)	29m(95ft)	15m(49ft)	7m(23ft)
5~50mm(T)	497m(1631)	199m(653ft)	99m(325ft)	50m(164ft)

Bioaccess Sales Ltd. reserves the right to change specifications without notice. Please contact your representative to confirm current specifications.

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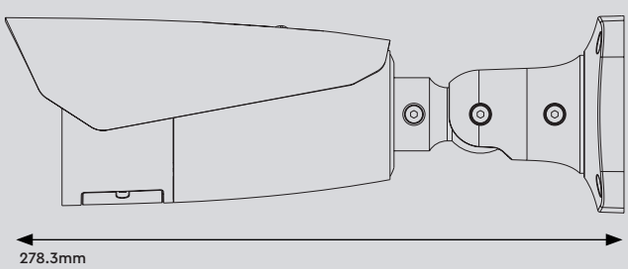
Intelligent Analytics

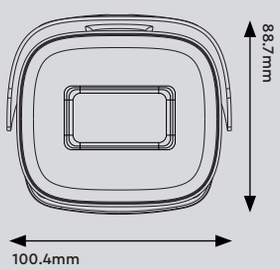
Intelligent Video Detection (IVD)	Line crossing, region intrusion/ entrance/exiting (human/vehicle classification) loitering detection, illegal parking detection, abandoned/ missing object detection
Statistics	Target counting by line/area, heat map
Exception Detection	Scene change, video blur and video cast detection, audio exception
Face Detection	Face detection and face capture
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature

Others

Power Supply	DC12V/PoE
Power Consumption	DC12V: < 9.3W ; PoE: < 10.5W
Storage Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Operating Environment	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	278.3 × 100.4 × 88.9
Weight	Approx. 1.04 Kg
Material	Aluminium alloy body
Installation	Ceiling mounting, wall mounting
Certificate	CE, FCC
Compliance	NDAA, PSTI
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU), and REACH(EC1907/2006)

Dimensions

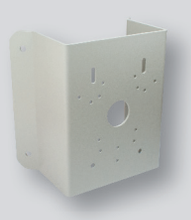




Accessories

WJBBVWP
Water Resistant Junction Box – White

WIPMPPM
Multi Purpose Pole Mount Bracket – White



WIPMPCM
Multi Purpose Corner Mount Bracket – White

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