FI-DN-5M-MZ2812

Fortek Intelligent Series Day Night 5MP WDR 2.8-12mm Motorized lens Bullet Camera

FC **CE** **IP67** **IK10**

FORTEK INTELLIGENT SERIES

Fortek has launched a new series of AI network cameras with an advanced deep learning algorithm. These cameras excel in low-light conditions, offer superior image processing, and provide real-time deterrence against crime and unwanted behavior.

KEY FEATURES

Easy Configuration
Easily and quickly enable a video analysis rule to start enjoying the simplicity and effectiveness AI performance. Users can easily enable an algorithm manually for specific use.

False Alarm Reduction
A new generation AI algorithm accurately senses and distinguishes human and vehicle movements from other moving objects, reducing false alarms.

Density Control by People Counting
Supports people counting when individuals enter and exit a specified area within a certain time frame.

Queue Management
A new generation AI algorithm can detect the number of people waiting in line and the wait time warning.

AI FUNCTIONS

Face Recognition

When a face is detected or recognized in the detection area, the system performs alarm linkage and supports searching face detection and recognition results.

Pedestrian & Vehicle
Cameras automatically detect humans and vehicles through real-time video analytics and minimizing false alarms triggered by animals, falling leaves, heavy rain, and other moving objects.

Design and specifications are subject to change without notice. The latest product information / specification can be found at FortekSystems.com.

Intrusion

It is used to detect objects entering and loitering in a pre-defined virtual region.

Region Entrance

It is used to detect objects entering a predefined virtual region from the outside place.

Crossing Counting

It is used to detect people crossing a pre-defined virtual line, including entry number, exit number and stay number in area, and view the people counting data in report form.

License Plate

When a motor vehicle triggers the rule line in the detection area, it will capture the license plate and report the attributes of the motor vehicle.

Line Crossing

It used to detects objects crossing a user-specified virtual line in a specified direction.

Region Exiting

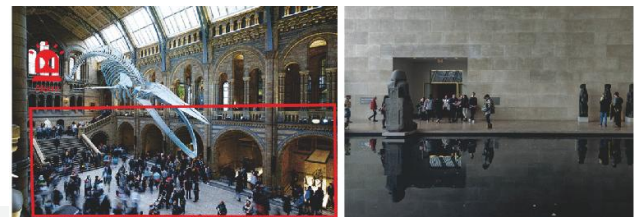It is used to detect objects exiting from a pre-defined virtual region.

Object Detection

It is used to detect the objects left over in the pre-defined region or It detects whether the objects are removed from the pre-defined region.

Crowd Density

Crowd density monitoring monitors the number of people in a specified area and triggers an alarm if the number exceeds the set alarm threshold.

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Queue length

Cameras trigger a notification when the number of persons in line or the wait time of each person exceeds thresholds set by operators.
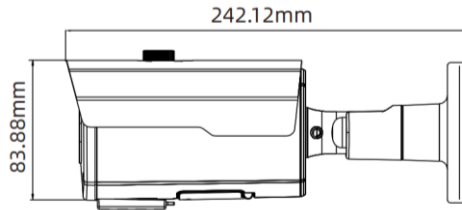
Heat Map

Detect the distribution of moving objects in a target area over time and display it on a heat map, with blue for the lowest heat value and red for the highest.

SPECIFICATIONS:

VIDEO	
Imaging Device	1/2.7"
Effective Pixels	5MP 2592(H) × 1944(V)
Scan Mode	Progressive
Min. Illumination	Color 0.003lux @ F1.6(AGC ON); B/W 0 lux @ IR ON
LENS TYPE	
Focal Length	2.7-13.5mm
Max. Aperture Ratio	F1.6
Angular Field of View	Horizontal: 31 ~ 102° Vertical:23 ~ 73° Diagonal: 38 ~ 138°
Min. Object Distance	0.8m(W) & 1m(T)
Lens Type	Motorized, Auto Iris
OPERATIONAL SPECIFICATION	
IR Viewable Length	Up to 45m
Day & Night	IR cut filter with auto switch (Day/Night/Auto/Image/Schedule)
Backlight Compensation	Off/On (5 Zones)
Wide Dynamic Range	WDR, 120dB
Digital Noise Reduction	3D DNR
Motion Detection	Off/On (8 Level)
Image Setting	Full Color Mode
Privacy Masking	Off/On (4 Zone, Rectangle)
Gain Control	Auto
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	1 input, 1 output
Audio	1 input(RCA), 1 output(RCA),
Hardware Reset	Yes
Smart Feature	Face Recognition, Pedestrian & Vehicle, Line Crossing, Object Detection, Crossing Counting, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Intrusion, Region Entrance, Region Exiting

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NETWORK	
Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.264/H.265+/H.264+/MJPEG
Resolution	**Main-stream @ 30 FPS** 5MP(2880x1620), 4MP(2592x1520), 3MP(2304x1296), 1080P(1920x1080), 960P(1280x960), 720P(1280x720) **Sub-steam @ 30 FPS** 720P(1280x720), VGA(640x480), QVGA(320x240) **Mobile-stream @ 30 FPS** VGA(640x480), QVGA(320x240)
Video Quality Adjustment	256Kbps ~ 8Mbps
Bitrate control method	CBR/VBR
Streaming Capability	Triple-Stream (Main/Sub/Mobile)
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP V2/V3, HTTPS, FTP, 802.1x, ICMP, IGMP
Security	IP address filter; complicated password; Authenticated username and password, HTTPS encrypted data transmission, SSL
Streaming Method	Unicast/Multicast
Application Programming Interface	ONVIF (Profile S/G/T/M)
Web Viewer	IE10/11, Safari V12.1 above, Firefox V.52 above, Google chrome V.57 above, Edge V.79 above
ENVIRONMENTAL	
Operating Conditions	-30°C ~ +60°C/less than ≤ 95% RH
Ingress Protection	IP67, IK10
Certification	CE, FCC Class A, ROHS, ONVIF(Profile S/G/T/M)
ELECTRICAL	
Input Voltage / Current	D12V/POE(IEEE802.3af)
Power Consumption	DC12V: max. 7W, PoE: max. 9W
MECHANICAL	
Construction	Body: White Aluminum
Camera Angle of Adjustment	3-Axis. PAN>355; Tilt 70°; Rotate ± 355°
Mounting	Surface mount (wall or ceiling)
Dimensions	
Weigt	1.2kg