FI-DNMB-8M-FL28/36

Fortek Intelligent Series Day Night 8MP WDR 2.8mm Fixed lens Fix Bullet Camera

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.

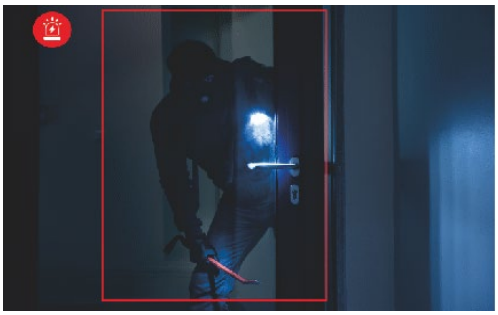
AI FUNCTIONS

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.

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



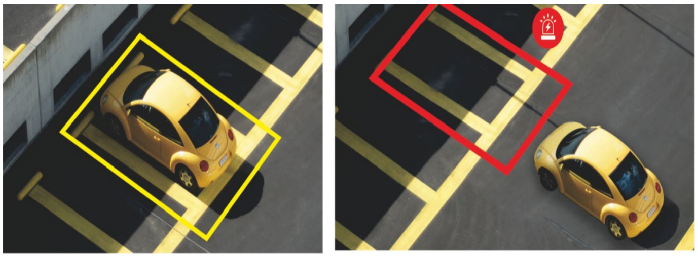
Region Entrance
It is used to detect objects entering a predefined virtual region from the outside place.

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.

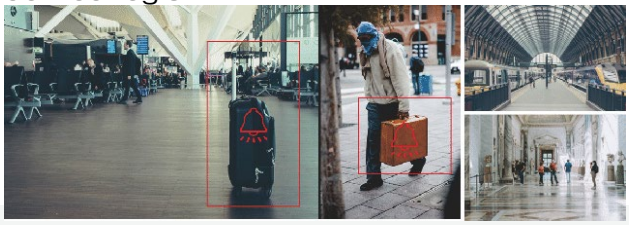
License Plate
When a motor vehicle triggers the rule line in the detection area, it will capture the license plate and report the attributes of the motor vehicle.

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

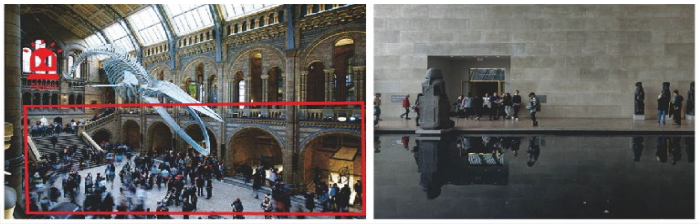
Region Exiting
It is used to detect objects exiting from a pre-defined virtual region.



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.

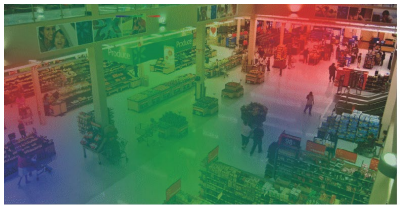
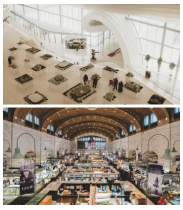


Crowd Density
Crowd density monitoring monitors the number of people in a specified area and triggers an alarm if the number exceeds the set alarm threshold.



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	1/2.8"
Effective Pixels	8MP 3840(H) × 2160(V)
Min. Illumination	Color 0.009lux @ F1.6(AGC ON); B/W 0 lux @ IR ON
LENS TYPE	
Focal Length	2.8mm / 3.6mm
Max. Aperture Ratio	F1.6
Angular Field of View	Horizontal: 87° Vertical: 44° Diagonal: 104°
Min. Object Distance	2m 1.8m
Lens Type	Fixed(M12)
OPERATIONAL SPECIFICATION	
IR Viewable Length	Up to 30m
Day & Night	IR cut filter with auto switch (Day/Night/Auto/Image/Schedule)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Motion Detection	Off/On (8 Level)
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-Board Storage	Micro SD slot, up to 256GB
Alarm	N/A
Audio	Built-in microphone
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
NETWORK	
Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265/H.265+/H.264/H.264+/MJPEG
Max. Resolution	8MP(3840x2160)@30fps
Video Quality Adjustment	256Kbps ~ 16Mbps

Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP,
Application Programming Interface	ONVIF (Profile S/G/T/M)
ENVIRONMENTAL	
Operating Conditions	-35°C ~ +60°C/ ≤ 90% RH
Ingress Protection	IP67,IK10
Certification	CE, FCC Class A, ROHS, ONVIF (Profile S/G/T/M)
ELECTRICAL	
Power Consumption	DC12V: max. 4.8W, PoE: max. 5.9W
MECHANICAL	
Material	Metal
Dimensions