

FI710

Facial Identification Camera

FI710 is a bullet visible light and embedded face recognition camera based on the Computer Vision embedded facial recognition algorithm



Computer Vision



High-definition



WDR 120dB



Face Recognition



Anti-thunder



Real-time
Capture



Face Comparison

FI710 is a bullet multi-function face recognition computer vision camera developed by ZKTeco, which with high performance computer vision algorithm in face capture, face detection and face comparison, which supporting face comparison and searching, 20,000 personnel facial image management and face identification. Light illumination in underground garage, warehouse and office area at low illumination and other bigger and changeable monitoring sites are most appropriate marketing position for FI710. It also be used for outdoor monitoring of urban roads and community environment.

FI710 can dock with central control access control, attendance check and gate system. It completes the capturing of face pictures, and reports the results of capturing and comparing to the entrance guard and gate system by itself. The entrance guard gate system completes the door, the opening and closing of the gate and the alarm. Can also report the results of comparison to the attendance system, by attendance system to complete the back-end data storage and analysis summary. FI710's face recognition algorithm has been highly and fully abstract packaged, combined with special chip computing ability, recognition and practicability effects of the algorithm has reached the industry leading level. Its excellent function of facial comparison making facial video surveillance system step to a higher level, which can be easier applied to a variety of application scenarios.

Features

- Each face quality comprehensive score provides a variety of face capture mode and push graph mode to reduce invalid face.
- Supports continuous transmission of broken network, and supports the detection, alarm, video recording and retrieval of face detection pre-recorded to disappear.
- Supports low bit rate, low delay, ROI region of interest enhancement coding and SVC adaptive coding technology.
- Maximum resolution 1920x1080@30fps
- Supports ONVIF, GB28181
- Supports 10M/100M adaptive network port
- Supports 1 pairs of audio input / output
- Supports 1 pairs of alarm input / output
- Supports two level user rights management, support for the first time activation, password limit misalignment lock.
- Using 1/1.8" progressive scan CMOS
- Supports three independent bitstream encoding, including dual 1080P HD stream, and supports 10 simultaneous stream acquisition.
- Supports H.265/H.264 high definition low bit stream coding
- ICR automatic switching, day and night monitoring, low illumination enhancement
- Ultra wide dynamic supported
- Support anti-fog
- Supports video occlusion, dynamic check detection, network disconnection, IP address conflict, MAC conflict detection and so on.
- Supports for face detection and capture, support front end storage, front end recognition comparison.

Specifications

Camera

Image sensor: 1/1.8" 2-megapixel progressive scanning CMOS
Effective image size: 1920x1080
Minimum illumination: 0.0001LUX@F1.0
Day&Night: Automatic/color/black-and-white (ICR infrared cut-off filter)
Wide dynamic range: 120dB
White Balance: Automatic / manual
Strong light suppression: Supported
Anti-fog Automatic / manual / close
Digital noise reduction: Supports Intelligent Adaptive 2D/3D Noise Reduction

Specification

Power supply: DC12V±20%
Power: 7W
Working temperature / humidity: 0℃ to 45℃; 5% to 95% (non-condensing)
Lightening protection rating: 6kV lightening protection and surge prevention
Weight: 0.49kg
Size: 140mmx71.9mmx69.6mm

Intelligent analysis

Anomaly detection: Face detection, video occlusion, motion detection, network disconnection, IP address impulse

Interface

Internet: 1 RJ45 Gigabit Ethernet port self adaptive (10Mbps/100Mbps)
Communication serial port: 1 half duplex RS-485 interface
Alarm interface: 2-way alarm input and 1-way alarm output
Audio: 1 channel audio input and output
Storage: Provides MicroSD card slot, supports MicroSDHC/MicroSDXC, support maximum capacity 256GB memory card

Function

Video compression format: H.265/H.264/MJPEG
Coding type: H.265 : MP, H.264: HP/MP/LP
Maximum resolution: 1920x1080 (1080P)
Video coding frame rate: Supports output of three bitstreams simultaneously: 50Hz: 25fps(1920x1080,1280x720,1920x1080)
60Hz: 30fps(1920x1080,1280x720,1920x1080)
Multi stream: Supports three-bit stream technology, dual HD, and simultaneous 10-way access.
Protocol: ONVIF,GB/T28181
Network protocol: TCP/IP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTSP,RTSP-CP,PPPoE,NTP,802.1X,IPv6
On-screen display (OSD): Supporting 200x200 BMP 24-bit image overlay, optional overlay location;
Overlayable time, place, week, device number information and 6 letter custom message
Up to 8 regions are supported, and the overlay position can be set.
Vector and dot matrix font library support
Alarm linkage: Alarm Source: Mobile Detection Alarm/Occlusion Alarm/Switch Input/Intelligent Analysis Alarm
Linkage Target: Switch Output/Preset Position/Cruise Trajectory/Scan/-Mail Send/Pre-alarm Preview

Lens & fill light

Focus: 16-70mm/4-18mm
Maximum Aperture: F1.4/F1.6

Professional intelligence

Face detection and capture: Supports dynamic face detection, tracking, optimization, output optimal face capture
Face capacity: 20,000
Face area exposure: Real-time adjustment of exposure parameters according to ambient light conditions to optimize face capture quality.

Application



City CBD / Administration Hall /Office Building

Automatically identify thieves and terrorists, avoiding property losses and injuries, registering and identifying visitors, reducing management/security personnel, saving HR cost



Factory /Industrial Area /Building Site

Precisely identify the employee's go on/come off duty time, identify visitors and blacklisted people who have criminal records, effectively enhance the company's image and ensure security



Residential/Apartment community

Automatically identify owners, visitors, outsiders and inside security guards, control of potential dangers, high efficiency guarantee the security of the community



Hotel Lobby/Club Center

Identify resident guests, visitors, outsiders and inside staff to prevent potential dangers



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