TD Tech

TD Tech Ltd.

TD Tech (Beijing)

15F, Yeqing Building D, 9 Wangjing Beilu,
Chaoyang District, Beijing

+86 10 58223366

+86 10 58223266

TD Tech (Shanghai)

1-3F, Building 8, Jinlingzhidu, 1888 New Jinqiao Road,
Pudong New Area, Shanghai

+86 21 60612008

+86 21 60612009

TD Tech (Chengdu)

Building 3, No.219 TianHua 2nd Road,
Tianfu Software Park C, High-Tech Zone, Chengdu

+86 28 63906008

+86 28 63906007

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EQ510

5G Intelligent Dome Camera

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5G Intelligent Dome Camera



EQ510 is a portable 5G intelligent dome camera that is based on 5G transmission and characterized by 1080P high-definition video recording and detachable battery. Its host is the first to use Android 10.0 operating system and 2.4-inch touch screen. It supports intelligent AI recognition, including face recognition, license plate recognition, helmet recognition and other intelligent recognition and monitoring functions. With built-in positioning module, it supports GPS + Beidou + GLONASS joint positioning, and meets GB28181, GAT1400 and ONVIF protocols, allowing access to the three-party video platform.

5G intelligent dome camera that is portable and easy to set up can be applied in various temporary surveillance, emergency rescue, safe city, highway, safety monitoring, electric railway construction site operation and other scenes, to achieve fixed video monitoring and major production operation monitoring, and combined with online scheduling system, to jointly build a mobile video solution, realizing on-site monitoring, remote management, and command and dispatch. It can be widely used in public security, firefighting, road administration, urban management, forestry, electric power, water conservancy, environmental protection and other industries.

Product Features

5G intelligent chip, extreme speed experience

- Realize lossless and fast transmission of HD videos by relying on the large bandwidth, low latency and extremely fast transmission of 5G network

Starlight level, high performance

- 33x optical zoom, 1/2.8" Progressive Scan CMOS
- Starlight night vision capability, clear imaging in low illumination, color: 0.001Lux @(F1.5, AGC ON), monochrome: 0.0005Lux @(F1.5, AGC ON)
- Large field of view, 360° horizontal rotation; -20°~90° vertical rotation

Advanced protection, ultra-wide temperature range

- IP66 protection level
- Ultra-wide operating temperature: -30~+55°C, normal work under extreme conditions

AI computing power, front-end recognition

- Intelligent optimization algorithm realizes front-end AI recognition solutions to perform front-end face recognition, license plate recognition, face sign-in, personnel monitoring, helmet recognition, regional invasion detection, etc.
- Intelligent patrol control, intelligent watch

Android platform, excellent performance

- Android 10.0 intelligent platform, 2.4-inch touch screen, open platform business development capabilities
- Concurrent wireless video backhaul and local video recording services

Portable and mobile, multiple installations

- Integrated dome camera that is light in weight and easy to carry
- Temporary tripod setup, hoop installation, wall-mounted installation, ceiling-mounted installation

Real-time command, secure access

- Support GPS + Beidou + GLONASS joint positioning, GIS positioning is safer and more precise
- In the visual command, timely and accurately monitor the location and movement track of the incident, respond quickly and take joint actions
- Support TF card encryption to guarantee the secure access of equipment to the customer's operation network
- Support electric power B interface protocol

Specification

Index	Value
Dimension	Approximately 150mm (diameter)×260mm (height)
Weight	<3.7kg (host) <15kg (suite)
Display Screen	2.4-inch LCD
Screen Resolution	240×320
Power Supply	DC 12V
Battery	100Wh
Storage	4GB RAM + 64GB ROM
Memory Card	Support TF card (up to 256G)
5G/4G Band	5G NR: N1/3/28/41/77/78/79 FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B18/B19/B20/B26/B28 TDD-LTE: B34/B38/B39/B40/B41
Power Level	Meet 3GPP requirements
Sensitivity	Meet 3GPP requirements
Positioning	Support GPS, Beidou, GLONASS joint positioning
Wi-Fi	Support 2.4G/5G, IEEE802.11 a/b/g/n/ac
Bluetooth	BT 5.1, supporting lower-power Bluetooth
Loudspeaker	2W
Microphone	Support 2Mic
Camera	1/2.8" Progressive Scan CMOS 33x optical zoom
Digital Zoom	16x
Horizontal Rotating Angle	360°
Vertical Rotating Angle	-20°~90°
Video Encoding Format	H.264
Infrared Supplement Light	Supported
External Interface	Main aviation connector: network interface, power interface (12V) Auxiliary aviation connector: power output (5V), RS485, alarm input and output, audio output, audio input Data interface: Type-C USB (compatible with RS232)
SIM Card	Support hard SIM card (nano card ×2)
Encryption Card	Supported
Operating Hours	⩾ 10 Hours (single-point video backhaul, 1080p/25 frame)
Operating Temperature	-30°C～+55°C
Storage Temperature	Host: -40°C～+85°C Battery: -20°C～+45°C within one month -20°C～+25°C within three months
Humidity Requirements	Relative humidity: 5%~95% (without condensation)
Level of Protection	IP66