

DHI-ITSE0400-TA-G02

Dahua Edge Storage Device



- Supports 4-ch and 8-ch HD image and video input, and combines multiple images into one composite image.
- Features image composition.
- Supports being connected to cameras at one entrance and multiple exits, multiple entrances and one exit, and multiple entrances and exits. The channels display the average speed measurement. Multiple independent intervals can also be configured. The device recognizes the size of vehicles, speeding and driving too slow. You can set the corresponding violation name and code based on the speeding ratio.
- Offers GPS positioning.
- Stores data on the hard disk and automatically overwrites old data when storage is full.

Functions

Multi-device Management

Supports 4-ch and 8-ch video access, combining 4 images into 1 composite image, performing upgrades across multiple network segments, and managing front-end cameras.

Independent Dual NICs

Embedded in the device are independent gigabit dual NICs, and 8 ports that can switch at 100 Mbps.

Data Protection

Watermarks can be quickly verified in videos and images. Also videos and images cannot be directly deleted from the hard disk for added security.

Stable and Secure

Linux is embedded in the system, making the device user friendly and highly stable.

Emergency Maintenance

Multiple remote operations for maintenance can be performed such as restart, upgrade and restoration to the default settings. The device can also read device error codes.

Technical Specification

Basic

Operating System	Linux
Operating Interface	Web client
Network Protocol	TCP/IP; HTTP; HTTPS; SFTP; FTP; DNS; RTP; RTSP; RTC; NTP; DHCP; IEEE 802.1X
Image Encoding Format	JPEG
Main Processor	High-performance embedded processor
Memory	2 GB
Indicator Light	1 × on/off status indicator; 1 × operation status indicator

Function

Storage	Disk; FTP; SFTP
OSD Overlay	Time, location, lane name, driving direction, violation code, violation behavior, vehicle speed, speeding ratio, license plate, plate color and type, vehicle color and size, vehicle type, logo, seatbelt status, calling status, GPS information, remote device GPS information, section information and code, section distance and speed limit, entry and exit time, entry and exit lane, and more.
Positioning	GPS;BDS
Composite Image	Supports creating composite images using 6 pictures from 1 camera or multiple cameras. The images can also be grouped and re-numbered based on their image type. It also offers 3 matching modes for verification: ID matching, plate matching and ID first and then plate matching. It supports fuzzy match using the type, lane, color and plate color of the vehicle. You can customize the order that images appear in the composite image and the close-up images within it.
Automatic Network Replenishment (ANR)	Automatic network replenishment on the platform and FTP; manual upload
Auto Registration	Yes
Restricted List/Trusted List	Yes. Allowlist and blacklist files can be imported and exported, and fuzzy search can be used to find vehicles on the list based on their plate number.
Anti-deletion	Yes. Videos and images cannot be directly deleted.
Vehicle Search	Search by time, channel, license plate, speed, lane, target type, plate color, vehicle color and violation type (such as not wearing the seatbelt and calling while driving). Fuzzy search is supported and results can be exported to Excel or in CSV format.
Alarm Event	Storage full, external alarm, license plate blacklist, illegal access, and security issue alarm.
Built-in Software	Edge Storage Device Software
Mobile Network Frequency Band	4G_LTE FDD: B1/B3/B5/B7/B8/B20/B28 4G_LTE TDD: B38/B40/B41 3G_WCDMA: B1/B5/B8 2G_GSM: B3/B5/B8
Port	
HDD Interface	Up to 1 SATA disk.
RS-232	1, for debugging data from the serial port.
RS-485	2

USB	1 USB 3.0 Port
Network Port	10 (2 × RJ-45 10 M/100 M/1000 M self-adaptive Ethernet ports and 8 × RJ-45 10 M/100 M self-adaptive Ethernet ports)
SIM Card	1
Antenna	2(1 × 3G/4G antenna port,1 × GPS antenna port)
Video Input	Supports 12-ch network compression HD video input while in video access mode, and 4-ch network compression HD video input while in ANPR Composite mode.
Alarm Input	3
Alarm Output	3 (opto-isolated output)

General

Power Supply	12 VDC
Power Consumption	< 20 W
Operating Temperature	-30 °C to +65 °C (-22 °F to +149 °F)
Operating Humidity	10%–90% (RH), non-condensing
Product Dimensions	240.0 mm × 198.0 mm × 71.0 mm (9.45" × 7.80" × 2.80") (L × W × H)
Net Weight	1.6 kg (3.53 lb)
Gross Weight	2.0 kg (4.41 lb)
Installation	Desktop mount
Certifications	CE-EMC; CE-LVD; CE-RED

Ordering Information

Type	Part Number	Description
Edge Storage Device	DHI-ITSE0400-TA-G02	Dahua Edge Storage Device

Dimensions (mm[inch])

