

# iDS-TSS300-C/04

## Series Traffic Incident Detection Server

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### Introduction

iDS-TS300-C/04 is a new generation device of multi-channels video smart analysis, which is based on deep learning algorithm. Applied in such scenarios as city roads, expressways, and tunnels for real-time traffic incidents detection, it can collect traffic parameters, and capture pictures of the detected incidents. iDS-TS300-C/04 can detect and analyze traffic incidents, and collect traffic parameters from network cameras of 4 channels simultaneously.

### Key Feature

- Supports access to multiple types of cameras, including normal surveillance camera, smart surveillance camera, capture camera, and onvif protocol-supported third-party camera.
- Supports multiple incidents detection, including barricade, road construction, congestion, parking, driving on lane line, making a U-turn, wrong-direction driving, pedestrians, dropping litters, lane changes, and motor vehicle driving on non-motor vehicle lanes (emergency lane occupation).
- Supports other customized incidents: lane occupation by trucks, violation of bans, queue-jumping in congestion, speed drops, smoke, fires, slowly-moved vehicles, and visibility.
- Supports multiple traffic parameters collection: vehicle type, lane flow, lane speed, space headway, time headway, lane time occupancy rate, lane space occupancy rate, queuing length, and traffic status.
- Access to cameras from 4 channels and supports patrol detection of 16 kinds of scenarios when connected to speed domes.
- Supports to search data and playback related videos according to time, channel, incident type, and capture type.
- Supports to configure multiple types of text overlay and picture composition.

### Specification

#### System

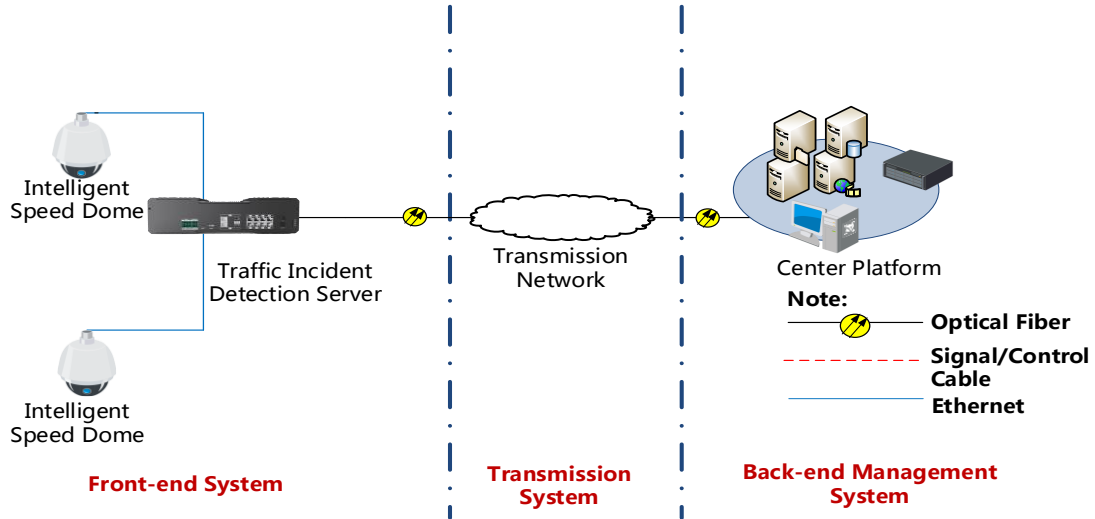
Operating System	Embedded Linux Operating System
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Operating Interface	WEB
HDD Storage Capacity	1 × 4 TB 3.5-inch SATA HDD (Default); 4 × 6 TB (Scalable)
RESET Button	1 × Reset button
Indicator	Power Indicator, alarm status indicator, HDD indicator, running status indicator
<b>Interface</b>	
Network Interface	Dual NIC design NIC 1: 9 × Gigabit Ethernet interface, 1 × combo SFP Gigabit fiber optic interface NIC 2: 1 × Gigabit Ethernet interface, 1 × SFP Gigabit fiber optic interface
Audio Input	1
Audio Output	1
Alarm Input	2
Alarm Output	2
RS-232 Interface	2
RS-485 Interface	2
USB Interface	1 × USB 3.0
<b>Function</b>	
Data Storage	4 × 3.5-inch SATA HDD, 24 TB storage capacity Supports to store, search, play back and upload local-saved pictures.
Upload	Supports transportation data ANR and manual re-uploading.
Network Configuration	Supports cameras and servers of different subnets to save IP address resource.
<b>General</b>	
Power Supply	12 VDC/12.5 A, 150 W
Power Consumption	Max. 70 W
Dimension (W × D × H)	370 mm × 273 mm × 102.5 mm (14.57 inch × 10.75 inch × 4.04 inch)
Working Environment	Working Temperature: -30 °C to 70 °C (- 86 °F to 158 °F) Working Humidity: 10% to 90%

## Available Model

Model	Function	Device Deployment
iDS-TSS300-C/04	Supports traffic incidents auto detection, picture capture and parameters collection from 4 MP network cameras of 4 channels.	Front-end Intersection Cabinet

## Typical Application



Distributed by



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