iDS-TSS500-C/16 Series
Traffic Incident Detection Server

Introduction
iDS-TSS500-C/16 is a multi-channels video smart analysis device. Applied in such scenarios as city roads, expressways, and tunnels for real-time traffic incidents detection, it can collect traffic parameters, capture pictures of the detected incidents, and recognize license plates. iDS-TSS500-C/16 can detect and analyze traffic incidents, and collect traffic parameters of traffic network cameras from 16 channels simultaneously.

Key Feature
• Supports accessing to box camera and speed dome, to detect traffic incidents and collect traffic parameters simultaneously.
• Rack-mounted 1U chassis design, makes server convenient to place in the cabinet of server room.
• 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-moving 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.
• Supports illegal parking zoom capture and multiple scenes patrol detection when speed dome is connected.

Specification

<table>
<thead>
<tr>
<th>System</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Interface</td>
<td>Web</td>
</tr>
<tr>
<td>Button</td>
<td>Power switch, reset button</td>
</tr>
<tr>
<td>Indicator</td>
<td>Power indicator, alarm indicator, UID indicator, ready indicator</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Interface</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Interface</td>
<td>4 self-adaptive 10 M/100 M/1000 M network interfaces</td>
</tr>
<tr>
<td>VGA Interface</td>
<td>1</td>
</tr>
<tr>
<td>USB Interface</td>
<td>4 × USB 3.0, 2 × USB 2.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply</td>
<td>Hot-swapping efficient 1+1 redundant power supply</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>150 W</td>
</tr>
<tr>
<td>Dimension (W × D × H)</td>
<td>439 mm × 591 mm × 44 mm (17.28&quot; × 23.27&quot; × 1.73&quot;)</td>
</tr>
<tr>
<td>Working Environment</td>
<td>Working Temperature: 5 °C to 35 °C (41 °F to 95 °F)</td>
</tr>
<tr>
<td></td>
<td>Working Humidity: 10% to 90%</td>
</tr>
</tbody>
</table>
### Available Model

<table>
<thead>
<tr>
<th>Model</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>iDS-TSS500-C/16</td>
<td>Supports traffic incidents auto detection, picture capture and parameters collection of 4 MP network cameras from 16 channels.</td>
</tr>
</tbody>
</table>

### Typical Application

```
+-------------------------------------------------+-------------------------------------------------+-------------------------------------------------+
| Box Camera                                      | Fiber Converter                                | Transmission Network                            |
| Switch                                           |                                                  |                                                  |
| Network Speed Dome                              |                                                  |                                                  |
| Front-end System                                 |                                                  |                                                  |
| Traffic Incidents Detection Server              |                                                  |                                                  |
| Transmission System                             |                                                  |                                                  |
| Back-end Management System                      |                                                  |                                                  |
| Note: Optical Fiber Signal/Control Cable        |                                                  |                                                  |
| Ethernet                                         |                                                  |                                                  |
+-------------------------------------------------+-------------------------------------------------+-------------------------------------------------+
```

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