Switches Naming Rule

DS-3E 0 3 26 HP-E I/M(B)

3E: Indoor switch
3T: Industrial switch

0: Unmanaged
1: Managed
2: Full managed
3: Layer 3

1: All 100M ports
3: 100M/1000M mixed ports
5: All Gigabit ports
7: Gigabit/10G mixed ports

26: Actual available port number

A~Z: Product upgrade number

N/A: Standard version
M: Low power version
HS: Harsh environment version

N/A: Non-smart managed switch
I: Smart managed switch

S: Project
E: Distribution

N/A: Normal non-PoE switch
TF: Optical and electrical ports mixed switch
F: All optical ports switch
P: 802.3at PoE switch
HP: 802.3bt Hi-PoE switch
D: Plastic casing desktop switch

Product Map

Model	Image	PoE Budget	Ports
DS-3E1508-EI			8 Gigabit RJ45 ports
DS-3E1516-EI		Non-PoE	16 Gigabit RJ45 ports
DS-3E1524-EI			24 Gigabit RJ45 ports
DS-3E1105P-EI		**60 W**	**4 10/100M RJ45 PoE ports, 1 10/100M RJ45 port**
DS-3E1309P-EI		**110 W**	**8 10/100M RJ45 PoE ports, 1 Gigabit RJ45 port**
DS-3E1318P-EI		230 W	16 10/100M RJ45 PoE ports, 2 Gigabit combo ports
DS-3E1326P-EI		370 W	24 10/100M RJ45 PoE ports, 2 Gigabit combo ports
DS-3E1510P-SI		110 W	8 Gigabit PoE ports, 2 Gigabit SFP ports, web managed
DS-3E1518P-SI		225 W	16 Gigabit PoE ports, 2 Gigabit SFP ports, web managed
DS-3E1526P-SI		370 W	24 Gigabit PoE ports, 2 Gigabit SFP ports, web managed

Product Overview

Hikvision smart managed switch helps to establish a video transmission system that integrates network management into the VMS, and realizes a central management to all IP devices (IPC-switches-NVR) in a visualized way.

User Pain-points
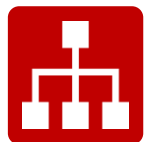
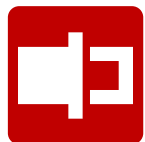**Unclear network structure** makes the system management difficult and inefficient.

Frequent network failures weakens the reliability of the security system.
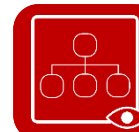
Separate network and security system brings difficulty to trouble shooting.

Hikvision Smart Managed Switch

Visualized Topology Management

Network Health Monitor

Real-Time Alarm Push

Video Control and Preview

System Structure

Unified Topology

Alarm Push

Remote Configuration

Device Status

Network Bandwidth

Network Path

**Device Recognition**

Live View

Smart Managed Security System

- Compatible with almost all Hikvision IP devices
- Provide comprehensive operation and maintenance capabilities based on a unified topology

HikCentral Professional

OR

Hik-ProConnect

+

Cloud Server

HPC solution will be available at end of Nov. 2020.

Smart Managed Switch

IPC   IPD   NVR   DVR   Access Controller   Alarm Panel   Video Intercom

The smart managed security system realizes the unified management of all Hikvision IP devices, provides comprehensive operation and maintenance capabilities based on a unified topology, and improves operation and maintenance efficiency.

Function and Value

HikCentral Professional **OR** Hik-ProConnect **+** Cloud Server
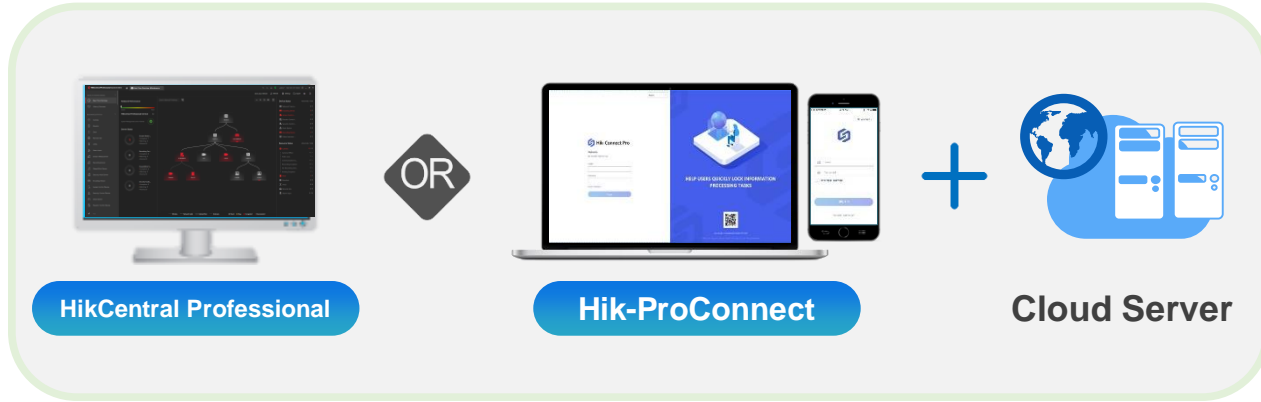
CCTV ⋯ Network ⋯ Access Control ⋯ Alarm ⋯ …

User Benefits

Installer

- Simplifying deployment
  - Network information visualization
- Convenient maintenance
  - Network health detection
  - Quick remote maintenance
- Differentiated competition
- Raising brand perception

End User

- Raising maintenance efficiency

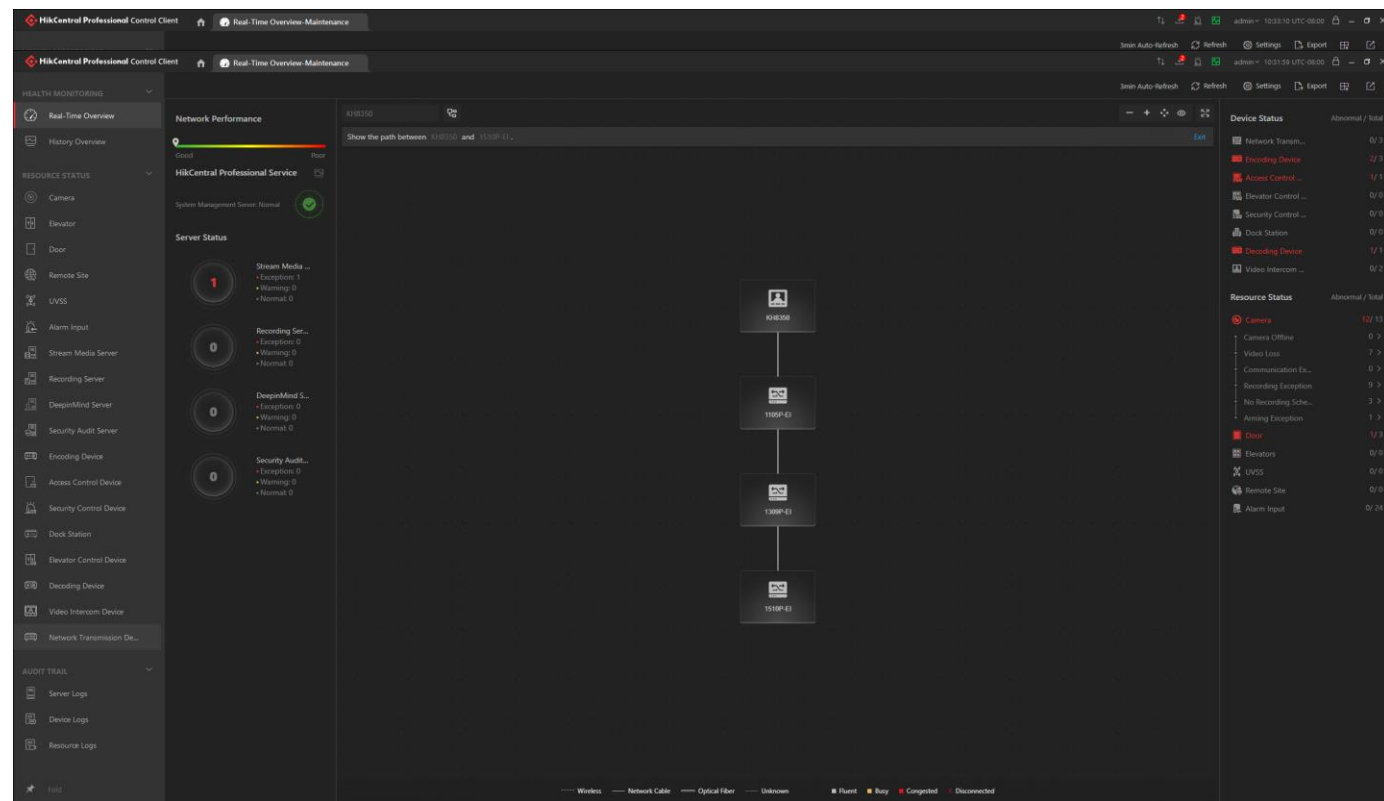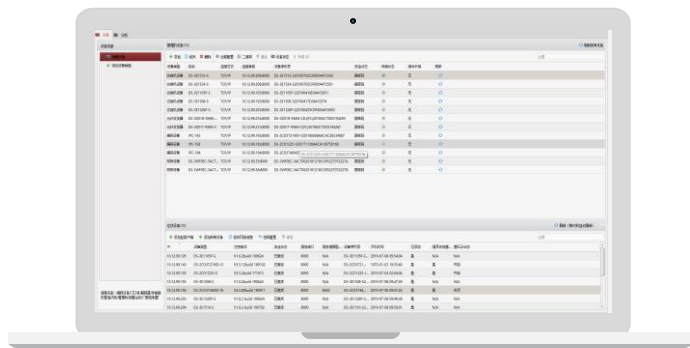*Note: The IPC is recommended to be within 200 pcs.*

Visualized Topology Management

After adding the devices to the VMS, the topology will be generated **automatically**, providing a visualized demonstration of the system connection. The system can recognize almost all Hikvision IP devices: switch, wireless bridge, IPC, NVR/DVR, decoder, alarm panel, access controller, video intercom devices, etc.

Network Management Platform

Security Management Platform

- The separate system lacks of linkage between each other, brining difficulty to trouble shooting.
- The separate system leads to more manpower cost.

Device Search

User can search for devices conveniently in the topology.

Path Display

Select a start point and an end point on the topology, and the topology will show the path between only, hiding all the other devices.

Network Health Monitor

Monitor the network status, show the link details and give alarm if bandwidth usage too high, so that user can manage the network more easily.

Network bandwidth usage too high will cause many problems.

- - **White** line refers to bandwidth normal.
- - **Yellow** line refers to bandwidth exceeding threshold 1.
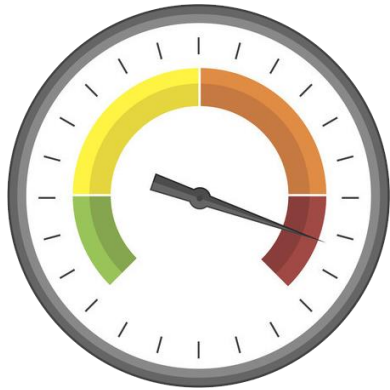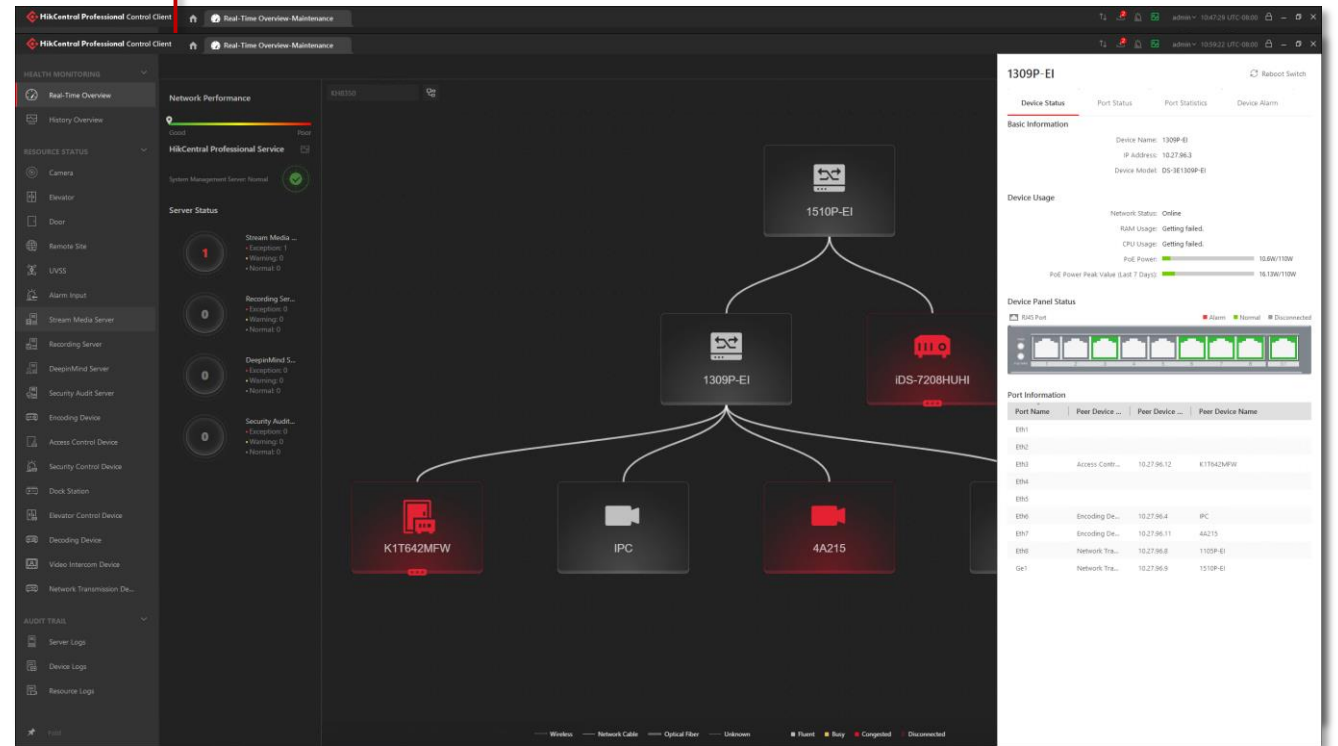- - **Red** line refers to bandwidth exceeding threshold 2.

Image blur, freeze, lag…

Unstable devices connection

Video recording lost

Network Traffic Alarm

User can configure 2 levels of network traffic threshold, if the network traffic exceeds, the line will turn yellow/red.
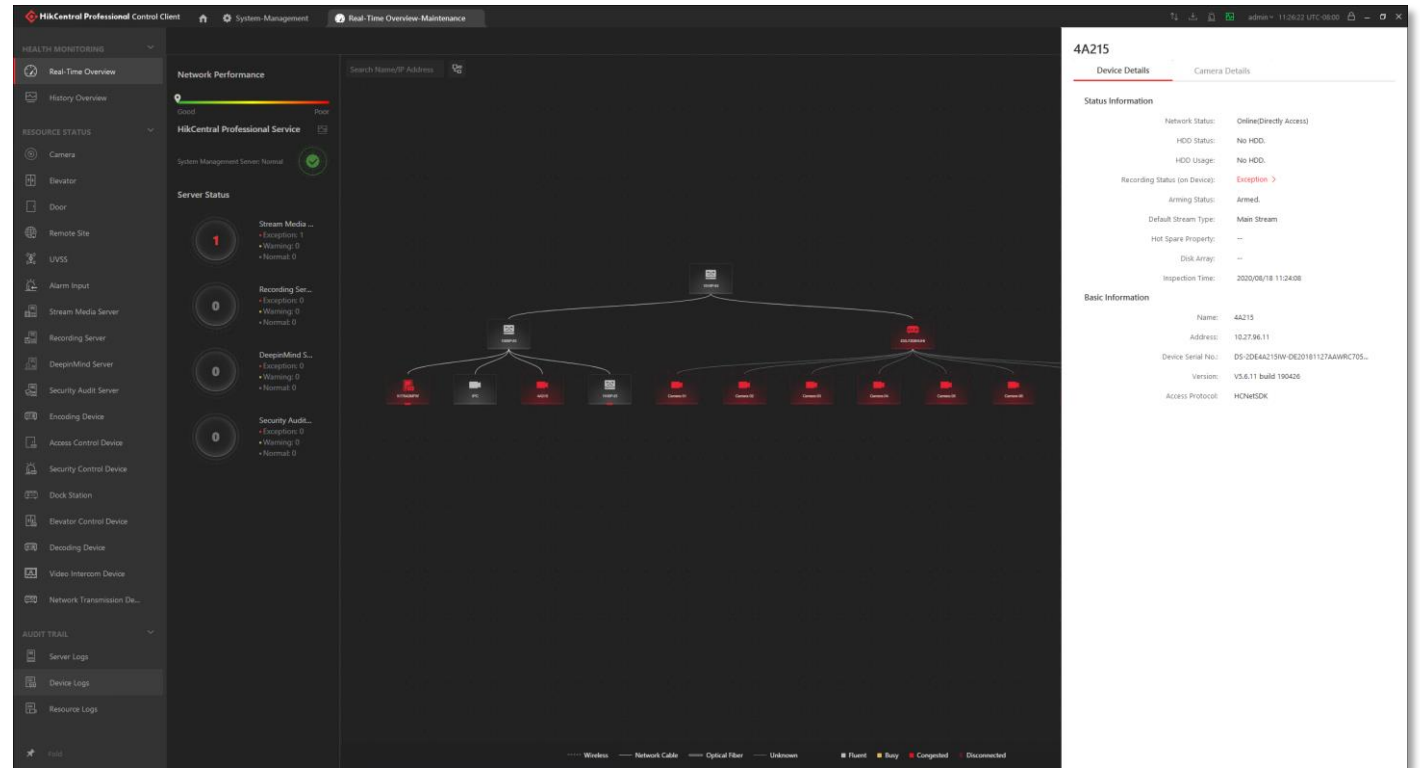
Network Status Display

Show the network transmission rate, and show the device information on the link's two ends.

Real-time Alarm Push

If any network alarm happens, it will display on the topology so that user can see and fix it at once.
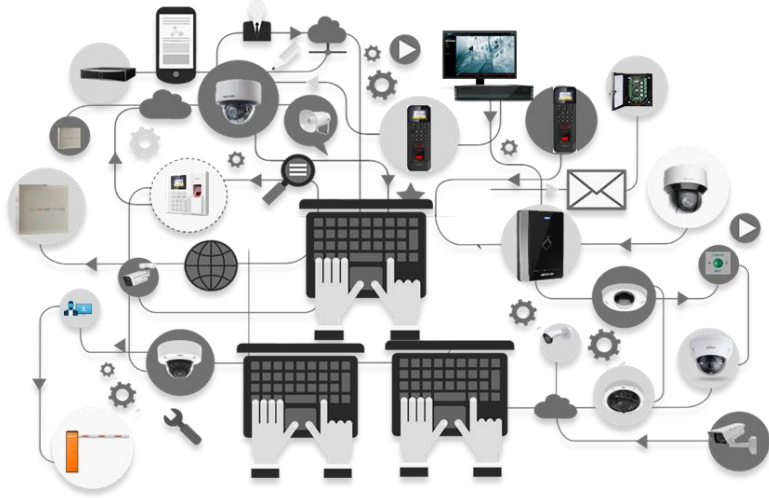
Network connection may occur now and then. User requires a quick and convenient way to get noticed once problem occurs.

Alarm Display
If network alarm happens, for instance network interface disconnected, or PoE interface power off, it'll show on the topology.

Alarm Handling
If the problem is fixed, or user manually clears the alarms, the alarm signal on the topology will disappear.