

Campus Video Surveillance Solution

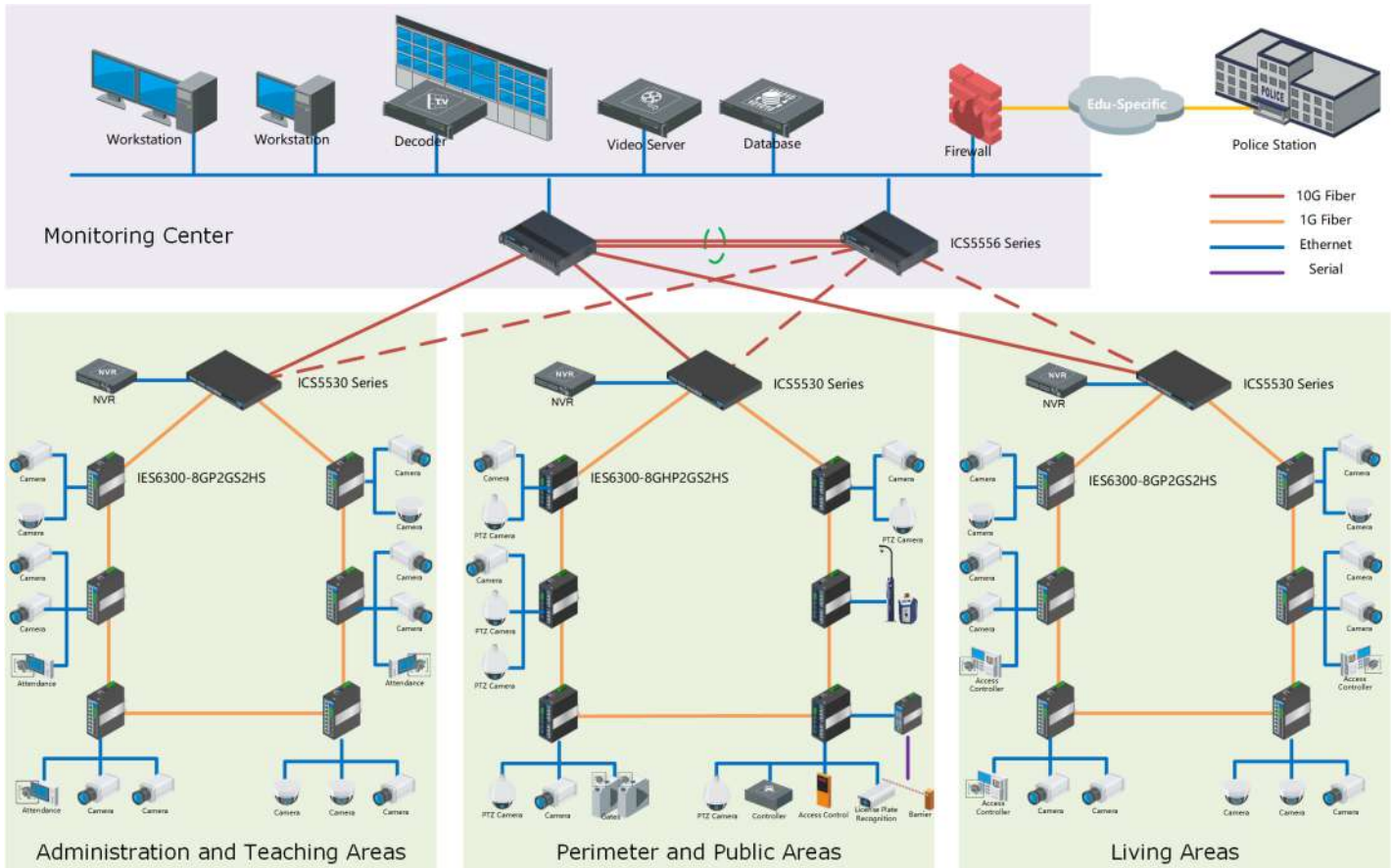


System Scenario

Campus video surveillance system is crucial for maintaining a safe and secure environment in educational institutions. It acts as a deterrent against theft, vandalism, and violence, and provides real-time monitoring for prompt response to emergencies. Security personnel can assess situations, take appropriate actions, and notify authorities in case of security breaches or accidents. A well-designed video surveillance system enhances the overall safety perception among students, parents, and staff, fostering a conducive learning and working environment.

Solution

3onedata provides full range of industrial Ethernet switches, including layer 3 switches, layer 2 switches, PoE switches and even media converters, helping you build a whole campus security system that covers access-distribution-core layer to ensure the safety of students' and staff's lives and assets.





Solution Highlights

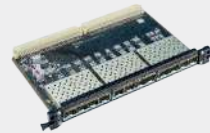
- ⊙ Full series of industrial grade products, passed EMC level 3 test, can work stably in -40 ~ 75°C environment.
- ⊙ Reliable and stable distributed three layer networking architecture with scenario-based network division, suitable for medium and large campus video surveillance networks.
- ⊙ Gigabit fast Ethernet ring network and dual uplink 10G redundant backbone network to ensure stable and smooth transmission of large amount of HD video data.
- ⊙ PoE switch complies with IEEE 802.3AF/AT/BT standard, single-port provides maximum 30W/90W power budget, allowing connect to large-scale cameras and hi-PoE PTZ cameras.
- ⊙ The switch provides 802.1Q VLAN and MSTI functions to divide different service traffic under the same network, ensuring network robustness while achieving load sharing of traffic transmission.
- ⊙ Support static routing, as well as OSPF, BGP and other dynamic routing protocols, can complete the fast route forwarding between different networks.
- ⊙ Support multicast routing and multicast protocols such as PIM-DM/SM and IGMP to achieve fast forwarding of multicast video data between networks and intelligent management of group membership relationships.

Key Products



ICS5556-MAIN

- 8 1G/10GBase-X SFP + 4 card slots + 1 10/100/1000Base-T(X) MGMT RJ45



ICS5556-IM-12GS

- 8 100/1000Base-X SFP



ICS5530-16GS8GC6XS

- 16 1GBase-X SFP + 8 1G Combo + 6 1G/10GBase-X SFP



ICS5556-IM-12GT

- 8 10/100/1000Base-T(X) RJ45

30W
PoE+



IES6300-8GP2GS2HS

- 8 10/100/1000Base-T(X) PoE RJ45 + 2 1GBase-X SFP + 2 2.5GBase-X SFP

90W
PoE++



IES6300-8GHP2GS2HS

- 8 10/100/1000Base-T(X) PoE RJ45 + 2 1GBase-X SFP + 2 2.5GBase-X SFP