

Smart Network Architecture for Video Surveillance

Network Architecture

The architecture of a video surveillance network is often overlooked, even though it is one of the most vital components of any video surveillance infrastructure. Ensuring an edge device's data makes it across the network efficiently and intact is vital as data loss due to an improperly configured network introduces unnecessary liability to an integrator.

BCDVideo Professional Services for Networking

Offers multiple levels of networking pre-and post-sale support. Our team has more than 15 years of experience in service design, architecting and network implementation with unicast, multicast, and shortest path bridging (SPB). This enables security integrators to implement cost-effective, resilient, and highly available network topologies for projects of any size.

Switches

BCDVideo partners with industry-leading manufacturers to co-develop and source networking solutions. Our extensive portfolio of networking switches and accessories provide robust solutions for any network topology. Switch key features include large PoE+ budgets, redundant power supplies, protocol based resiliency, and layer 2/3 switching and routing capabilities.



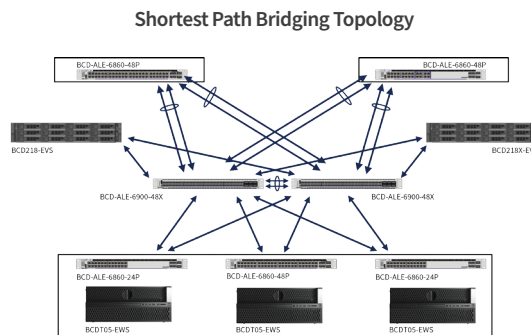
BCD-ALE-6350 Series: essential PoE+ switches



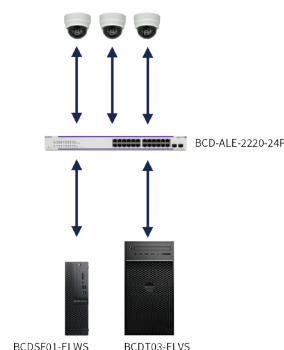
BCD-ALE-6900 Series: SPB/high availability switches

Shortest Path Bridging (SPB)

For deployments requiring always-on video, shortest path bridging offers high availability and high performance to a network. SPB allows one protocol to enable seamless scalability, in addition to providing higher performance to a network. With SPB, resiliency is executed completely at the hardware level, enabling an extremely efficient protocol to provide high availability and increase performance.



Simple Star Topology



IMPORTANT NETWORK CONSIDERATIONS

1. Is this a single or dual core topology?
2. Do you need redundant power?
3. Are uplink speeds 1GbE or 10GbE?
4. What is the total port count at deployment? Will this scale over time?