

Introducing Auto Surveillance VLAN

*The Quick and Easy Way to
Install an IP Surveillance System*

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What is ASV?

“Auto Surveillance VLAN is a technology embedded into selected D-Link switches that allows you to easily add a IP surveillance network to an existing data network.

This allows you to create a hybrid network, capable of handling both data and surveillance traffic, saving you the costs of deploying and maintaining a separate network for surveillance traffic”

Creating a Surveillance Network

- › Designing a reliable surveillance system can be challenging
- › Adding surveillance to an existing network can be problematic
 - Periods of heavy network traffic,
 - Mass data transfers or a broadcast storm,
 - Can cause your surveillance video feeds to freeze, skip frames, or even drop out completely.
- › Alternatively, you could create a completely separate network
 - Can be very expensive
 - Extra hardware and installation of new cables, as well as additional operating and maintenance costs.

Without ASV

- › Normally, adding IP surveillance to your existing network requires you to:
 - Learn and familiarize yourself with switch and network settings
 - Manually create a VLAN for your surveillance traffic
 - Manually add each camera or device to the surveillance VLAN
 - Set surveillance VLAN traffic to high priority
 - Additionally, if IP surveillance is deployed across multiple switches, you will need to adjust settings on those switches as well

With ASV

- › With Auto Surveillance VLAN, you can create a hybrid network easily:
 - Our surveillance equipment is automatically detected
 - A VLAN is created for your surveillance traffic automatically
 - Our surveillance equipment is automatically added to the VLAN
 - QoS for surveillance VLAN traffic is automatically set to high-priority
 - Adding additional surveillance cameras is easy – simply connect them to your network and they will be automatically added to your surveillance VLAN

Who needs ASV?

- › People that need a cost effective way to consolidate their video surveillance and data network
- › People who need a reliable IP surveillance system that can not only provide good quality video, but is also easy to manage
- › People that want the flexibility to add IP cameras to their surveillance system without needing to reconfigure their surveillance network

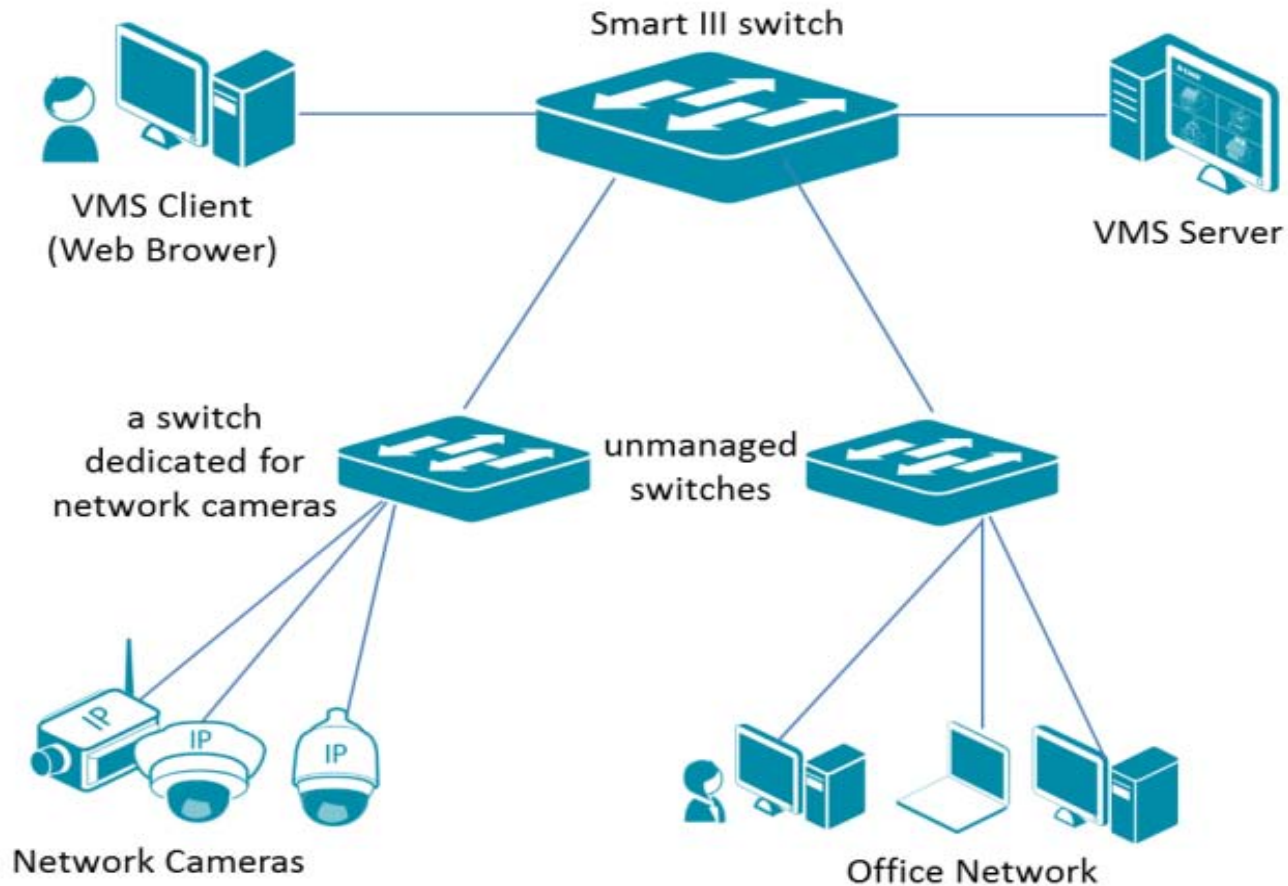
Who needs ASV?

- › People that want the flexibility to upgrade their IP cameras without needing to reconfigure their surveillance network
- › People that want the flexibility to move their IP cameras to new locations without needing to reconfigure their surveillance network
- › System integrators and installers that need a reliable hybrid solution to meet the needs of their customers

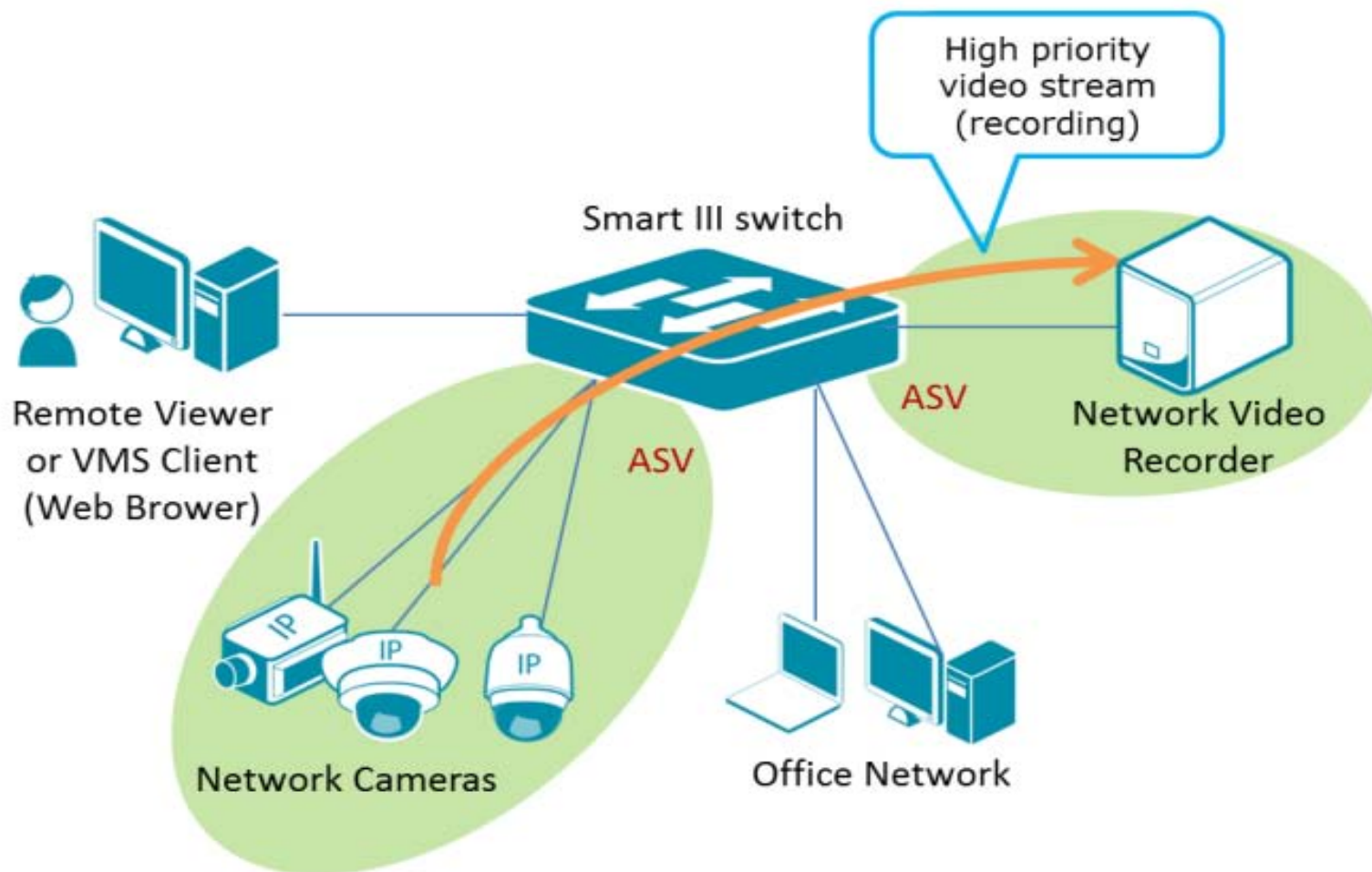
About Auto Surveillance VLAN

- › ASV provides automatic configuration of a dedicated surveillance VLAN.
- › The core concept of ASV is to detect all ASV devices automatically when they are powered on and connected to the same network segment
- › It will then configure the surveillance VLAN and adds all ASV devices to it, ensuring that their traffic receives the high priority.

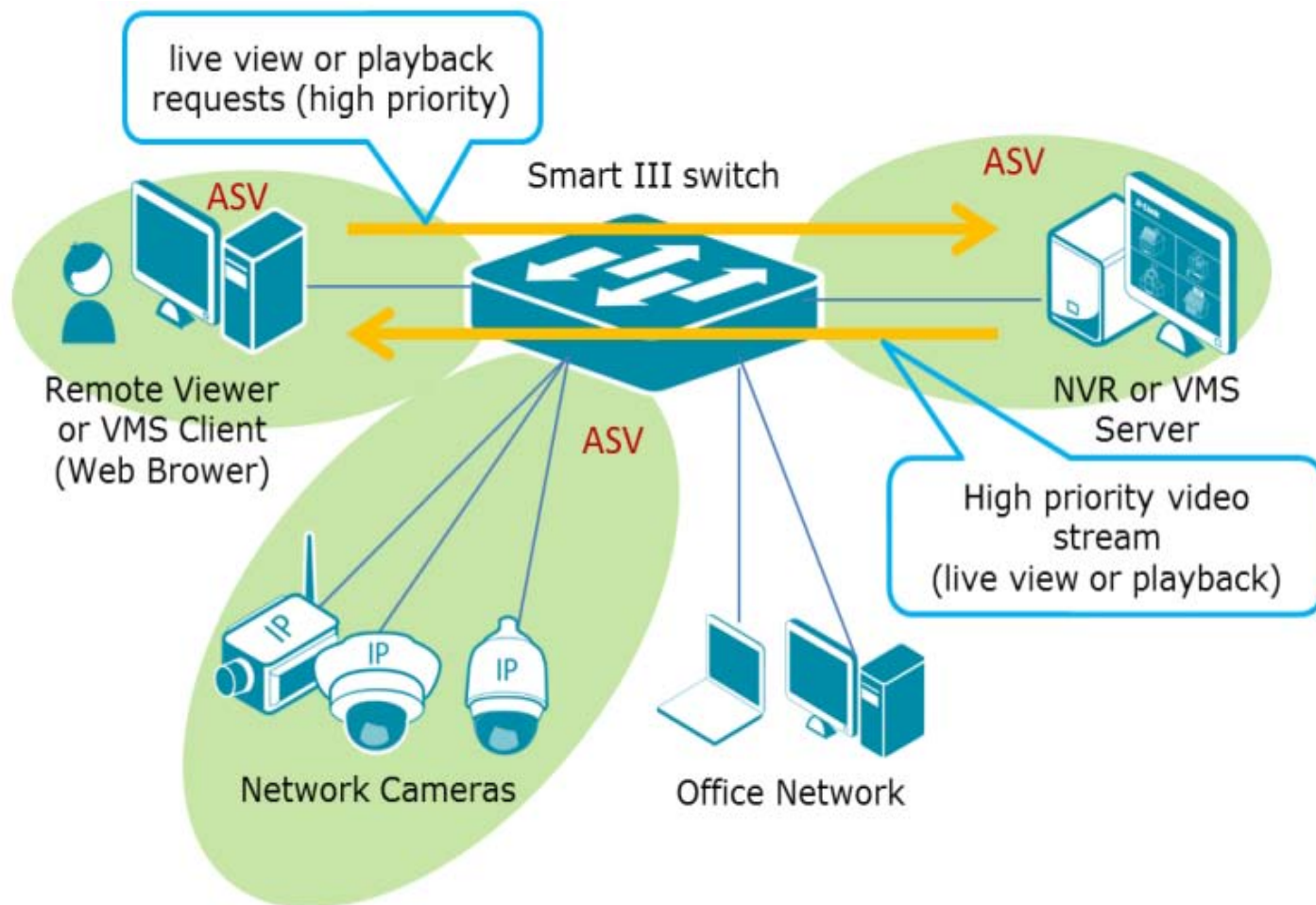
How It Works



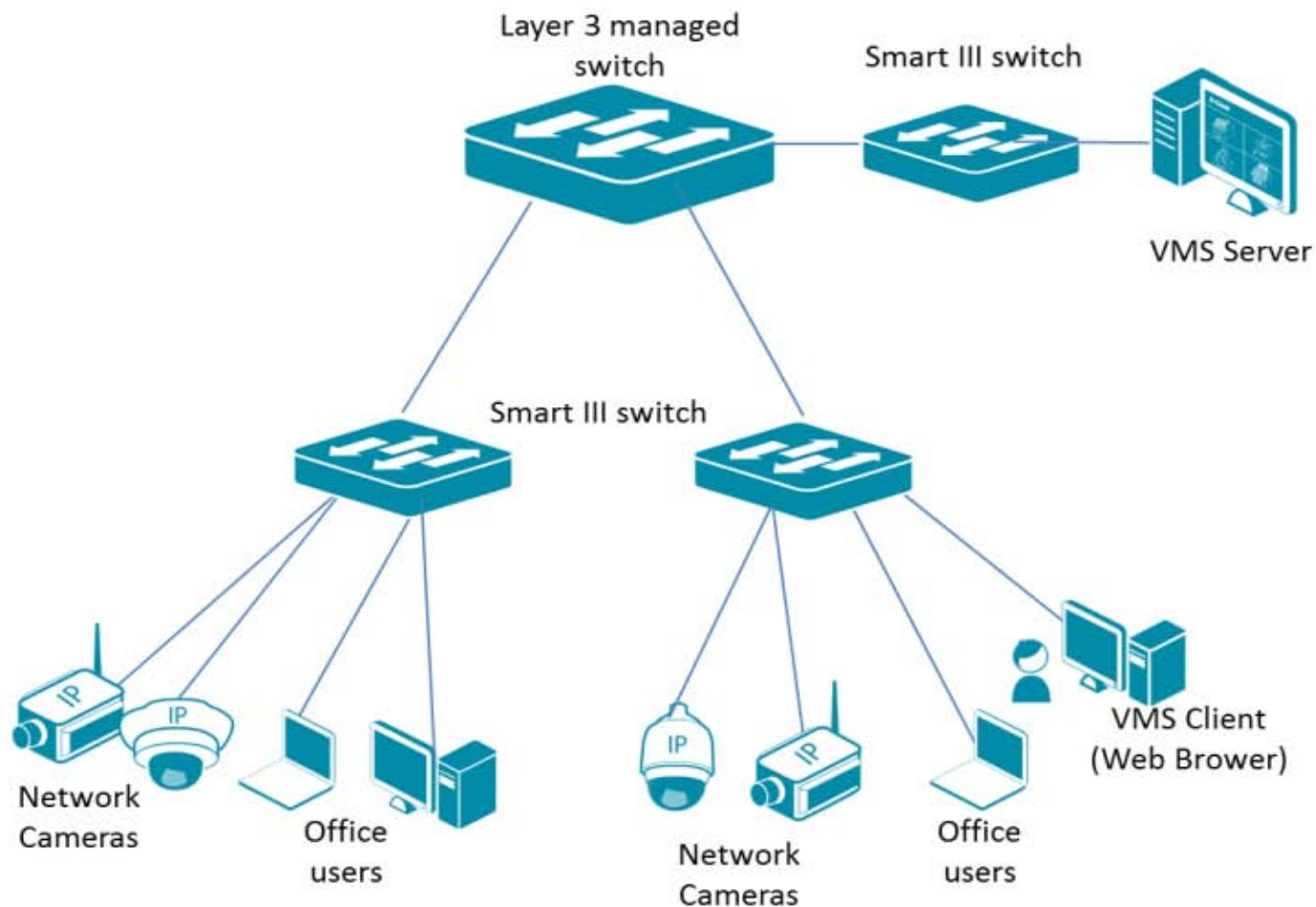
Remote Application



Two Layer Network



Three Layer Network



Benefits of Auto Surveillance VLAN

ASV allows users to easily create a reliable, flexible, hybrid network, reducing the complexity of creating, installing, configuring, and maintaining such a network.

The following are some of the key benefits of ASV:

- Reduced hardware requirements,
- Simplified network design
- Efficient video streaming
- Drastically reduced Total Cost of Ownership (TCO) By reducing deployment time

Any Questions?

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