



Strengthen coverage with IP video surveillance over Wi-Fi

Axis Communications and CommScope RUCKUS cover all your locations with high-quality video and easier operations.

On a daily basis, video surveillance proves its value in protecting the safety and security of people and property. Video cameras can pay for themselves in reduced security guard insurance premium costs.

But the value of video surveillance can increase exponentially with the move to IP-based network video over high-performance Wi-Fi. IP cameras from Axis Communications can record and store streaming video files for virtually unlimited periods of time. Deployed over high-performance Wi-Fi networks from CommScope RUCKUS, these surveillance cameras can cover previously inaccessible blind spots, operate in challenging environments, and reach difficult-to-access locations.

Axis Communications and CommScope RUCKUS

Axis Communications is the global market leader in network video security, and CommScope RUCKUS is the leader in high-

performance Wi-Fi. Working together, Axis Communications and CommScope RUCKUS offer a full range of video solutions, the highest quality wireless video, and easy deployment and low cost operation.

Axis network video advantages

Whether a customer wants to migrate from traditional CCTV or install an entirely new security system, Axis Communications provides distinct advantages.

Image quality

Superior image quality enables better and faster decisions and improved accuracy for manual or automated analysis and alarm tools.

Remote accessibility

Axis provides a simple and comprehensive solution for capturing and securely distributing video over any public or private IP network.

Easy, future-proof integration

With an Axis network video solution, you can integrate your existing analog system with products that bring it up to speed with the latest IP technology. Video can be stored offsite for convenience and security, so companies with several offices across a city or the world can leverage the network video solution for security surveillance and remote monitoring purposes. In addition, Axis network video has the capacity to provide a high level of integration with other equipment and functions, making it a continually developing system.



EXTEND COVERAGE, INTEGRATE APPLICATIONS, AND LEVERAGE YOUR INVESTMENTS.

Full-feature cameras

Axis cameras support capabilities such as remote pan/tilt/zoom, power over Ethernet, high definition, and audio and motion detection, while meeting your requirements for image quality, recording capabilities and reliability.

Scalability and flexibility

It's simple to scale your Axis network video systems, adding new cameras at the same site or at a new location communicating over the internet. You can easily add extra storage capacity as required, thanks to strict adherence to industry standards.

Cost-effectiveness

Save money and lower total cost of ownership thanks to strict adherence to industry standards.

Axis professional network video products run on Ethernet. Using standard PC server hardware for video recording and storage radically reduces management and equipment costs. Plus, leveraging your existing RUCKUS infrastructure can reduce installation and operating costs.

Proven technology

Safe investments that last well into the future.

Axis invented and launched the first network camera back in 1996 and continue to lead this market.

Integration with RUCKUS Wi-Fi

The adaptive antenna technology of RUCKUS access points (APs) provides twice the capacity and range of other Wi-Fi products—enabling a more reliable, high performance wireless connection. BeamFlex® combines multiple high-gain polarized antenna elements and patented software algorithms in real time for an exponential increase in performance. With up to 21 high-gain, directional antenna elements, a BeamFlex smart antenna offers more than 4,200 unique antenna patterns to optimize the reception of a given client. RUCKUS adaptive antenna technology ensures that Axis standard and high-definition video is reliably delivered regardless of the environment.

Ensure optimal video quality

RUCKUS SmartCast™ is an advanced superset of IEEE 802.11e/WMM hardware-based queuing standards that maximizes reliability and wireless performance. It automatically inspects, classifies, pre-queues, and schedules traffic (see Figure 1). SmartCast works with RUCKUS BeamFlex® to deliver greater network throughput and more predictable performance for latency-sensitive applications. This means it can recognize Axis network video signals and prioritize them over other Wi-Fi traffic without requiring any special or complex configuration.

SmartCast also provides automatic band steering, directing dual-band radio clients to the optimal band, and airtime fairness, which more efficiently shares the spectrum with a combination of older and newer client radios. RUCKUS SmartCast plus BeamFlex adaptive antenna technology is successfully deployed in millions of locations to optimize HD wireless video.

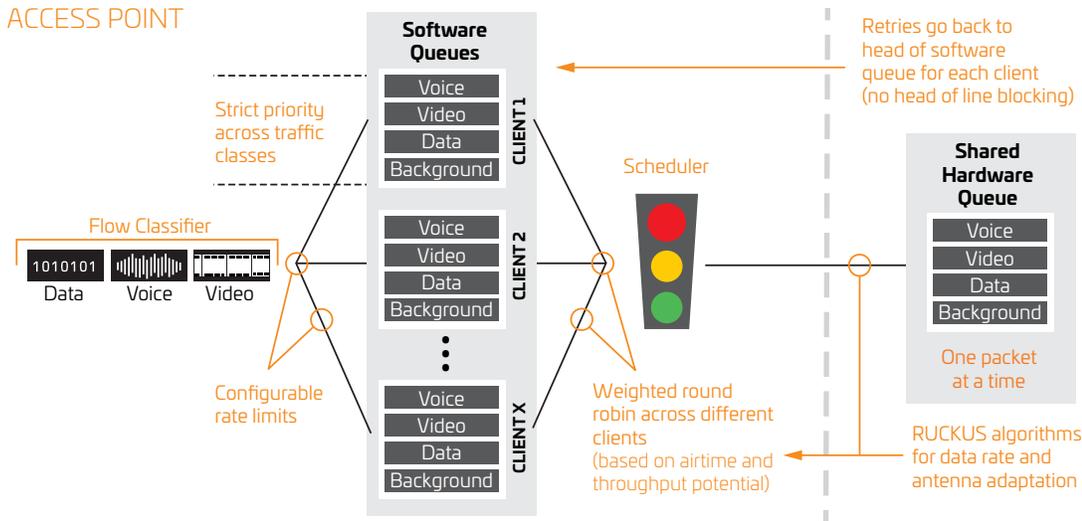


Figure 1. RUCKUS SmartCast queuing and scheduling

Maximize coverage and reach

RUCKUS SmartMesh™ increases coverage range by repeating the wireless signal across several hops. This is ideal for Axis wireless video surveillance cameras because it enables wireless backhaul from almost any location that has power. RUCKUS SmartMesh networking is self-organizing, self-optimizing, and self-healing. It's the first Wi-Fi mesh networking approach that combines high-gain smart antenna arrays, sophisticated RF routing, and centralized management within a single Wi-Fi system.

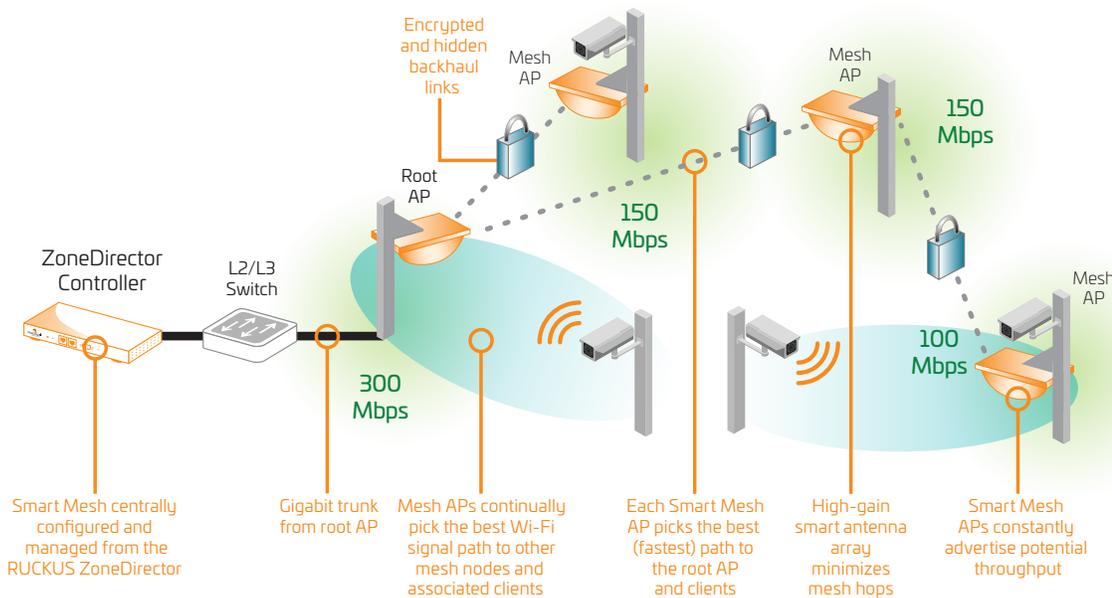


Figure 2. RUCKUS SmartMesh with wireless video surveillance cameras

SmartMesh networking automates configuration, reducing Ethernet cabling and eliminating extensive RF planning—enabling self-optimizing mesh networks to be deployed and operational in half the time of traditional wireless deployments. Integrated interference mitigation ensures high reliability. An intelligent antenna array in each AP picks the best signal path for traffic at any given time and automatically steers signals around interference to ensure high availability of mesh links.

Together, CommScope RUCKUS and Axis Communications offer superior video surveillance performance and coverage coupled with reduced installation and operating costs.



Axis Communications and CommScope RUCKUS solution advantages

- A full range of cameras and video features
- High-performance wireless networking
- PoE power for both the APs and cameras
- Increased efficiency and capacity
- Mesh networking for long range coverage
- Easy to deploy and operate
- Long-term investment protection
- High ROI with payback often less than one year

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com.

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