



Video Mesh Distribution

Time is of the essence during a criminal investigation. Law enforcement agencies must be able to quickly deploy video surveillance when and where it's needed—without filing for permits, installing infrastructure or incurring exorbitant fees. Law enforcement agencies need “pop-up” security enabled by a solution that is cost-effective and easily deployed virtually anywhere.

RUCKUS Video Mesh Distribution is ideal for:

- Surveilling undercover environments, such as hotels
- Surveilling activities in or around vehicles
- Perimeter protection around sewage or gas works
- Real-time data collection in public spaces like parks
- Situational awareness around schools
- Smart military bases
- Transportation and logistics

RUCKUS Video Mesh Distribution is an easily deployable surveillance network that delivers high bandwidth and full frame rate with low latency. The solution provides backhaul over a Wi-Fi network, enabling law enforcement agencies to achieve visibility virtually anywhere there's power—including locations where running copper or fiber cable is unfeasible. The self-forming, self-healing, and self-optimizing technology makes mesh networking easy to deploy and manage.

Video Mesh Distribution

- **Lowens installation and operating costs** by reducing the need for Ethernet cabling and RF planning.
- **Delivers consistent bandwidth.** Traffic is never throttled as it is with cellular providers.
- **Automates configuration,** enabling Smart Mesh Networking WLANs to be deployed and operational in half the time of conventional WLANs.
- **Works with any IP-based camera and VMS for optimal flexibility.** Outdoor access points can even provide Power over Ethernet (PoE) to IP cameras, making outdoor video surveillance much easier to deploy.
- **Brings stability and reliability** to video surveillance with a solution that's secure by design. All mesh backhaul links between nodes are encrypted and hidden to ensure safe and secure operation.

hold for an enterprise campus environment. A robust and secure infrastructure can quickly be stood up on a temporary or permanent basis, overt or covert, without the need for expensive maintenance.

The Fresno Police Department is an excellent example of the power of RUCKUS video mesh technology. The Department is responsible for policing 115 square miles and protecting 535,000 citizens, and could not support their 200 surveillance cameras with fiber optic cable. The City deployed a CommScope solution including 802.11ac outdoor APs and the ZoneDirector controller. The mesh capabilities of the APs allowed them to have multiple APs seamlessly joined together to provide the necessary throughput and backhaul capabilities. In the words of Fresno Chief of Police Jerry Dyer, CommScope technology took surveillance video reliability from 50 percent to 100 percent, making Wi-Fi as good as fiber optics. Here's a link to the [testimonial video](#).

RUCKUS SmartMesh also provided public safety video networking at the recent 72nd Annual Little League Baseball® World Series in South Williamsport, Pennsylvania. CommScope deployed APs and its SmartZone™ 100 management controller, to help ensure seamless connectivity for the outdoor environment. This helped ensure top-notch performance for multiple, simultaneous high-definition video over Wi-Fi, enabling every video stream to be captured. For the LLBWS, this capability allows all the video cameras in the stadium to be constantly streaming, helping to ensure maximum safety and security for players, officials and fans at all times.

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