

Video Intelligence for FirstNet[®]



When every second counts, reliable intelligence is crucial for FirstNet agencies

When you're working on the frontline in quickly changing, sometimes dangerous environments, you need technology that can keep up. Emergency operations demand live access to video feeds – both fixed and mobile. That's why video surveillance cameras are a critical tool in helping keep people and places safe. Even more so, the technology behind the lens must relay the accurate information you need for informed decision making, and it all must function in near real-time.

Video Intelligence uses FirstNet Trusted^{™1} devices, enabling on-demand access to live video feeds when needed for crisis response and location protection. Video Intelligence is an industry-leading video compression technology that enables high quality, reliable live video streaming at very low-bandwidths over the FirstNet network. This enables surveillance cameras to be connected to the FirstNet network via cellular connectivity to wirelessly live stream video, including areas where wired or Wi-Fi connectivity is not available. The perimeter and intrusion detection at the edge of the established physical perimeter, or with other premise analytics processing, provides near real-time alerts to protect against unauthorized activity.

FirstNet

FirstNet is the nationwide, wireless communications network built with and for America's first responders and the extended public safety community. It is built with AT&T, in a public-private partnership with the First Responder Network Authority (FirstNet Authority) – an independent agency within the federal government. And it operates on a physically separate dedicated network core that gives first responders the coverage and capacity they need, when they need it with unique benefits like always-on priority and preemption. It is not a commercial network. This physically separated architecture means FirstNet traffic never competes with commercial users for resources.

¹**FirstNet Trusted** means IoT cellular hardware, such as sensors, routers, modems, cameras, and other connected devices from OEMs that each, out-of-the-box: (a) utilizes a FirstNet SIM; (b) auto-provisions the proper IMS services after SIM installation; (c) supports HPA, all AT&T commercial LTE bands and Band 14; (d) meets band priority selection technical requirements; (e) appears on the NIST list; and (f) has been tested for user experience, accessibility, and security readiness.

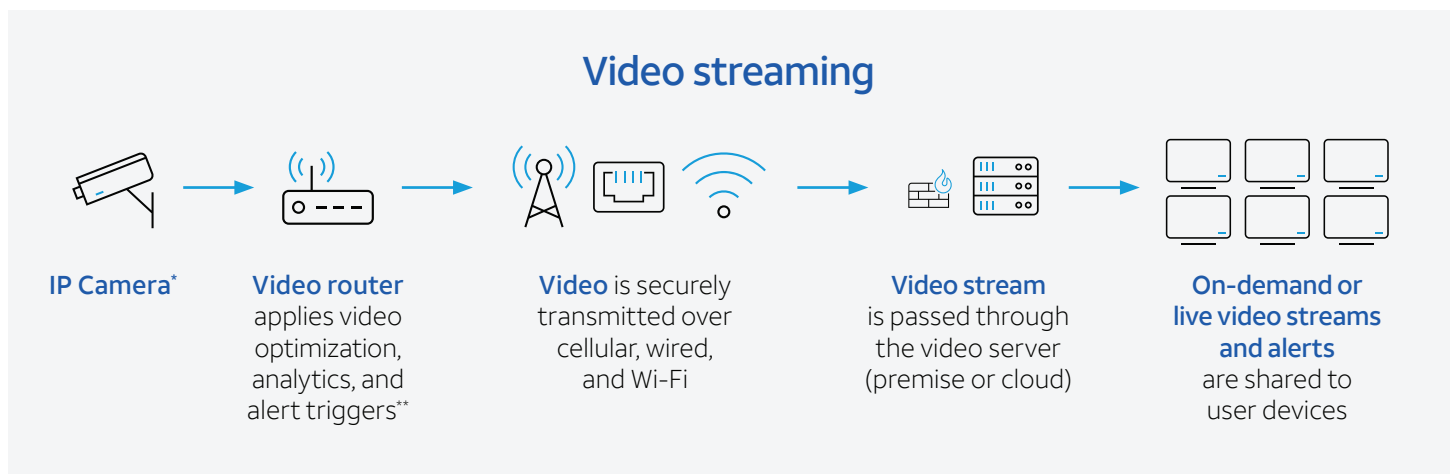
Video Intelligence for FirstNet enables time-critical decision making for first responders and those who support them to stay safe.

For those responding to an incident, improving situational awareness is essential. Every moment counts. You need technology that can help overcome key challenges, including:

- Quality, near real-time view of critical situations
- Access to video data streams simultaneously for multiple agencies or personnel
- Easy retrieval and download of footage for viewing and to aid investigations
- Ability to safeguard agency assets and personnel against criminal activity
- Enhanced video security for remote locations, events, or venues



This solution is also available for access to video via cameras connected via wired or Wi-Fi networks, which also affords optimized video, freeing up bandwidth for other purposes. For live streaming video over the FirstNet network, cellular connectivity is required.



* Existing customer equipment

** Alternate video routers can accommodate 8-16 camera feeds

Video Intelligence on FirstNet Features

- High quality live video and audio streaming when needed over cellular FirstNet network provides visibility across your video cameras to monitor key sites and infrastructure.
- Automatic bandwidth allocation adjusts video quality to use bandwidth available

- Highly secure end-to-end encrypted video transmissions safeguard sensitive video when using the FirstNet network.
- Ability to scale cameras and users enables agencies to grow on demand
- Capture, enhance and share operational data, such as stills and video streams over FirstNet even when networks are congested, allowing agencies to investigate and respond quickly.
- Send near real-time alerts by text message or email to employees or authorized personnel.
- Manage multiple devices with flexible support for mobile, wireless and fixed endpoints, enabling agencies to use broader endpoint locations.
- Optional analytics can be applied to video streams to enhance surveillance intelligence.

Increase your surveillance IQ

Send alerts when certain incidents occur to help make faster, more informed decisions using the video provided. Personnel can quickly view the recorded video on their device or switch to viewing the area live. With Video Intelligence for FirstNet you can now perform the following high-level analytic functions:

- **Perimeter and intrusion detection**² – Provides near real-time alerts to protect critical or secured areas around buildings, fence lines, entries/exits, or anywhere unauthorized people or vehicles may be.
- **Dwell/loitering detection**² – Detect presence (person or vehicle) in an area of interest either moving or stationary within a given period.

Video Intelligence for FirstNet also provides:

- **Multi-cast streaming:** Allows multiple authorized users to view video streams simultaneously from control rooms, PCs, and mobile devices.
- **Camera remote control:** Allows you to use the software to control the pan, tilt, zoom functionality of enabled cameras, capture high-definition images, and access DVR functionality.
- **Multi-network capability:** Lets you hand off video streams over cellular, wired, and Wi-Fi networks while maintaining video quality and bandwidth efficiency.

Ready to learn more?

Contact a FirstNet Solutions Consultant for more information.

²Optional analytics available at additional cost.