# OUTPOST

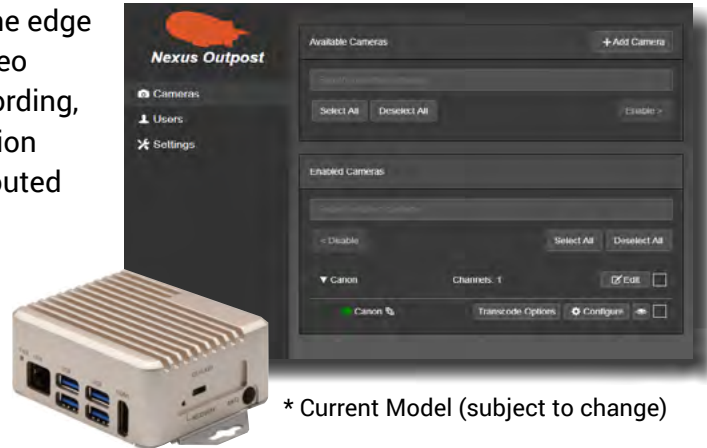## PRIORITY STREAMING AT THE EDGE

**Outpost** stores the highest available quality video at the edge while allowing your teams to adjust the bandwidth video streaming back to your **Airship Server** for viewing, recording, distribution, and archiving, with integrated high-definition edge download capabilities. The stream can also be routed through a relay server.

**Outpost** runs on the small form-factor Arm NVIDIA Jetson Nano platform, simplifying remote video management and distribution for tactical teams and other users.

* Current Model (subject to change)

- ✓ Windows or Linux based
- ✓ Runs on small form-factor NVIDIA Jetson Nano
- ✓ Supports most common IP based camera systems and backhaul capabilities: satellite, cellular, mesh networks and cable modems
- ✓ Supports up to six 1080p IP video inputs and transcodes six independently configurable low bitrate streams
- ✓ Native Integration of 3rd-party based features such as Facial Recognition Software, Advanced License Plate Recognition and Tail Number Recognition
- ✓ Detection Recognition/Alarm Capable
- ✓ FIPS 140-2 compliant (when configured)
- ✓ AES-256 for data at rest/in transit
- ✓ Airship is registered with an Authority to Operate (ATO) within specific U.S. government agencies
- ✓ Specify a time interval to download high-quality video from the encoder
- ✓ Exported footage does not require Airship software to review
- ✓ Define, view and record in high resolution using a low-resolution data stream
- ✓ Adaptive stream control
- ✓ Custom hi-res clips (playback)
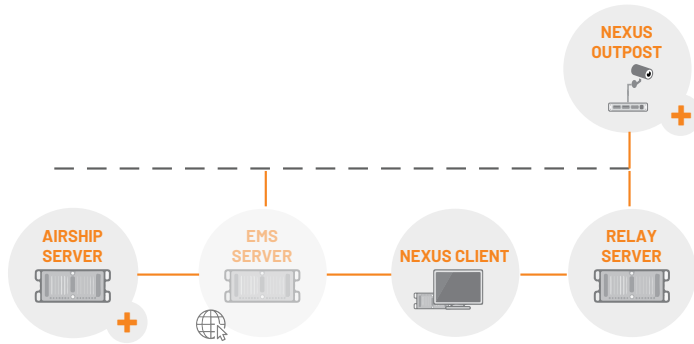- ✓ Minimal footprint & expense

## DEPLOYMENT READY

**Outpost** supports most common IP-based camera systems and backhaul capabilities, including satellite, cellular, mesh, and cable modems. **Outpost** is FIPS 140-2 compliant (when configured), and Airship has the Authority To Operate (ATO) within specific U.S. Government agencies.

With **Outpost**, agents can stream and control standard and PTZ cameras over mesh networks or from the station viewing with **Nexus Client**. Feature such as License Plate and Tail Number Recognition (Vintra, Gemalto), Facial Recognition, Radar Sensors (SpotterRF, Black Sage) and other 3rd-party analytic tools may also be natively integrated with the Airship software suite.
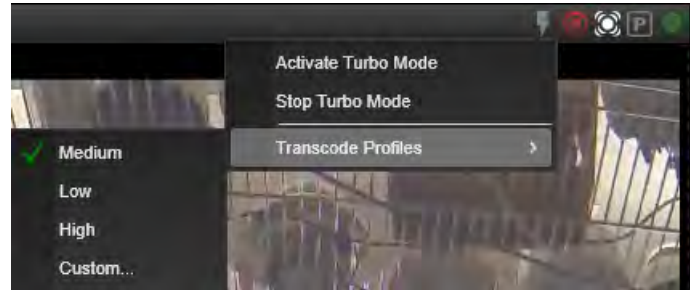
## SYSTEM DIAGRAM

**NEXUS OUTPOST**

**AIRSHIP SERVER**

**EMS SERVER**

**NEXUS CLIENT**

**RELAY SERVER**

**Outpost** is installed on the edge device (models vary by deployment) and is accessed remotely by **Airship Server**. If the mobile modem located alongside the camera does not have a static IP address, a **Relay Server** is required to provide a secure tunnel for the stream from the edge.

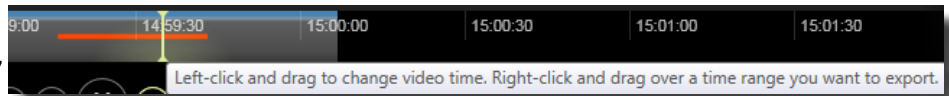## CONFIGURABLE STREAMING RESOLUTION

Within **Outpost**, default transcoding profiles are set for the live streams to **Airship Server**. Default profiles determine the what is normally sent over to Airship Server and are typically a low bit-rate streams. When high-resolution streams are required, "Turbo Mode" may be selected to prioritize a higher streaming quality for a specific camera for a set period of minutes while viewing from **Nexus Client**.
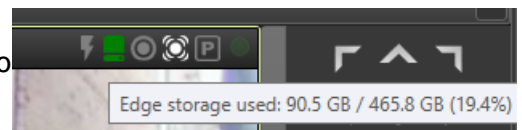
Within **Outpost**, an Adaptive Bitrate option monitors packet traffic coming in to **Airship Server**. Server will monitor the packet queue from **Outpost** and increase the bitrate as the bandwidth throughput increases.

## NEXUS CLIENT DOWNLOAD HIGH RESOLUTION FEATURE

High-resolution footage that is stored on the Outpost edge recording device, can be easily downloaded from the recording timeline for the required clip duration using Nexus Client. Downloaded footage can then be played seamelessly into the footage timeline.

For monitoring purposes, **Nexus Client** also displays storage used for the edge device when hovering over the edge storage icon from a video tab.

# ORDERING OUTPOST

**Airship Server, EMS,** and **Nexus Client** are required for **Outpost**. Since requirements vary by deployment, **Airship** works with you to determine what is best suited for each unique environment. Our friendly support agents are available M-F 8AM-8PM EST, and available 24/7 for Platinum Support Levels.

**Toll Free:** (877) 462-4250

12226 134th Ct NE

Redmond, WA 98052

**airshipvms.com**

**Email:** info@airshipvms.com

SCAN ME

AIRSHIP