



SECURE™

ROADRUNNER™ PRO

On-board Video Security System





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Designed and manufactured specifically to deliver seamless, high-performance management for multiple Transit applications.

Unprecedented Video Quality

The RoadRunner Pro™ supports up to 12 channels of analog HD and 12 channels of digital IP camera inputs, providing robust video capabilities. It also offers 4G/5G connectivity, high-speed WiFi 6, dual-frequency GPS, extensive local storage, and numerous peripheral interfaces.

Superior Flexibility

Supporting complete fleets of all vehicle types, the system is equipped with an 8-core processor and a neural network inference engine for intelligent algorithm applications. Supports one 3.5-inch hard drive and one M.2 SSD for local storage.

FEATURES

- Exceptional Processing Power for AI Applications
- NPU (Neural Processing Unit) support up to 6TOPs (Terra Operating Per Second)
- Support up to 8K@30 fps H.264 decoder with High Storage Capacity
- Multi-Channel support (12 AHD + 12 IP Camera), 1080P and 4K Resolution.
- Mirror Recording using SD cards
- Comprehensive vibration reduction technology with mechanical damping, electronic antivibration, and software anti-vibration.
- mSET Fleet-wide management (premium upgrade)
- RoadRunner Mgmt (RRM) – Remote management application
- RoadRunner Player (RRP) – Downloadable Video Player

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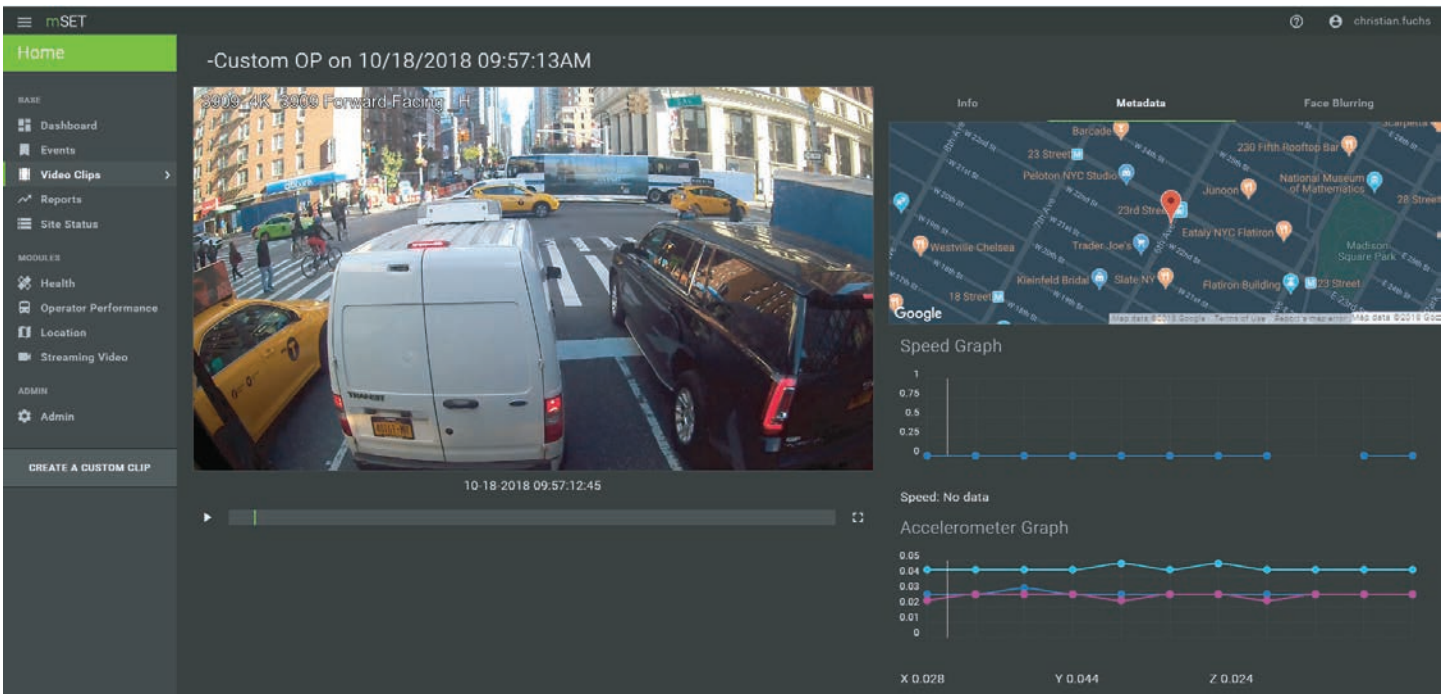
Dual Recording Provides the Perfect Balance of Video Quality and Long-term Storage



**Full HD
1080**

HIGH DEFINITION DUAL RECORDING

High quality 4K and 1080p video streams are recorded simultaneously, ensuring the highest quality video is available for review of critical incidents while maintaining the longest onboard recording duration. Storage is completely adjustable and customizable to your recording needs – the system automatically calculates estimated storage for both high quality and long-term recording streams.



Actual screen shot of mSET Software

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mSET™ Software



Intuitive and easy-to-use software provides full management of mixed fleets, live video streaming and health information.

Streamlined, fleet-wide management

mSET Software provides all the information and tools required to proactively manage on-board video systems. Delivering streamlined management of multiple generations of RoadRunner on-board video security systems, mSET provides enhanced tools to download and archive video automatically or on demand. mSET also supports optimization of system health and maintenance, improves operator performance, enhances safety and mitigates risks.

Optimized for transit and mixed fleets.

Building upon years of experience and feedback from transit bus and rail agencies around the globe, mSET is a multi-functional application that features an innovative, browser based user interface designed to increase accessibility of video and data throughout transit operations.

Flexible deployment options

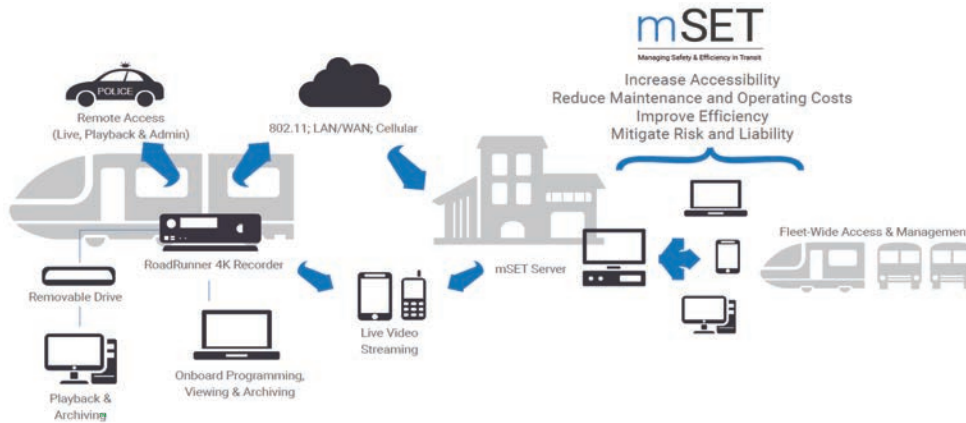
mSET can be provided as a fully hosted solution with or without optional review service, or deployed on-premise.

FEATURES

- mSET (managing safety and fleet information, even when vehicles aren't connected – improving security, maintenance, and management of fleet operations)
- User-friendly, browser-based interface supports access from virtually any device
- Simplify troubleshooting with detailed health reports, resulting in faster resolution, greater maintenance
- Compatible with all RoadRunner Recorders, mSET is a fleet-wide solution ideal for mixed fleets

Includes all the information and tools needed to proactively manage on-board video security systems

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Optimized for convenience

- Easily manage on-board video components and the video and data captured from vehicles in the fleet
- Dashboard display provides easy access to desired data and detailed, exportable reports
- Intuitive, browser-based system provides easy access

INCREASE ACCESSIBILITY

- Video and fleet information is available, even when vehicles are outside of network range – improving security, maintenance and management
- Instant video playback enables users to easily identify clips of interest by previewing the video and metadata
- Simplify the management of video data with an intuitive user interface to streamline workflow and provide the most important information at a glance
- Dashboard provides easy access to the most critical information

The screenshot shows the mSET software interface. The main window displays a video clip titled 'Bus Clip on 01/05/2019 07:31:41PM' from '5502 CAM1 Windsorfield'. The video shows a bus in the middle of an intersection. To the right of the video, there is a metadata table:

Info	Metadata	Face Blurring
Site Name		Apollo Bus 1
Date & Time		01/05/2019 07:31:41PM
Event Label		Bus Clip
Download Time		08/17/2018 08:32:01PM
File Size		3.9 MB
Last Viewed		02/28/2019 02:27:48PM
Last Viewed By		admin
Video Clip ID		14

Below the metadata table, there are buttons for 'PRESERVE', 'DOWNLOAD (LOCAL)', 'DELETE CLIP', and 'SCHEDULE DELETION'. There is also a 'Notes' section with two entries:

- Driver fails to stop for yellow light. Hard brakes to avoid turning traffic. 15:15:16:19
- Passengers in (Camera 9) clearly hit their knees sliding forward. (Camera 1) catches the event - Created by admin. 15:15:32:03

At the bottom of the interface, there are buttons for 'CHAIN OF CUSTODY' and 'ADD NOTES'.

Actual screen shot of mSET Software

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Customize a system to best fit each vehicle type in your fleet - a variety of options and accessories are available to support virtually any mobile application.



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Roadrunner Pro and Full HD Cameras

RoadRunner Pro system cameras are specifically designed and manufactured for transit applications. All cameras are auto-connecting, plug and play, resulting in simple installation and maintenance - programming and IP configuration is automatic.

360° Camera

5MP resolution and a wider field of view maximizes coverage and eliminates blind spots. The 360 degree camera also features IR illumination and audio recording. Available Q1 2025.

Forward-facing Camera

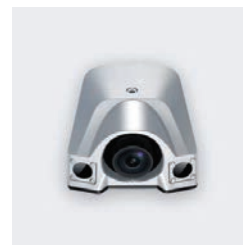
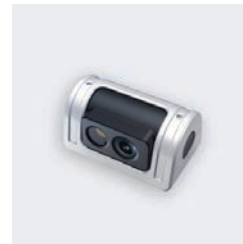
Optimized for installation at the front windshield, the forward-facing camera records the driver's perspective and all details in front of the vehicle, including license plate numbers. Available in 4K and 1080P.

Interior Domes

Providing optimal views from various mounting locations, interior domes are vandal-resistant and feature 1080p resolution. Interior cameras are also equipped with IR illumination to record high quality video in low-light conditions and feature built-in microphones for audio recording.

Exterior Cameras

Available in several models to best capture the exterior views on virtually any transit vehicle, our exterior dome and wedge cameras feature 1080p resolution, are IP66 rated and vandal resistant.



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Back Up Power Options Provide Additional Data Protection

Uninterruptible Power Supplies (UPS) are available with battery back-up to provide up to 15 minutes of recording time after power loss. A back-up power system using supercapacitors is low-maintenance and provides one to two minutes of additional recording time after a power loss. The Power Loss Data Protector provides an efficient alternative to a UPS, ensuring video is written to the disk, even in the event of a direct impact.



All-in-one Solution for Passenger Awareness, Information and Advertising

The RoadRunner™ Pro system is fully compatible with INFOtransit systems - displaying live video feeds that promote a more secure and safe environment for riders and operators, while simultaneously providing passenger information. Additional information can be added to the data feed, including service alerts, public service announcements, and even revenue-generating advertisements.



Operator and Individual Displays

An operator display can be added for the driver to show the back-up camera while the vehicle is in reverse. Or add passenger awareness displays throughout the vehicle to display the live video feed. Monitors are available in sizes ranging from 8 to 19 inches to fit a variety of uses and vehicle types.