

Mobile TrailerCam Advanced

Self-powered rugged, wind-resistant trailer features live robotic dome camera for traffic management and work zone monitoring.

- Fast, Easy Deployment
- View Traffic Live
- Gather Digital Traffic Flow Data
- Share Video & Data Information
- Monitor Work Zone Safety
- Manage Traffic & Incidents
- Document All Roadway Activities

Robotic 360° Dome Camera
35x optical, 12x digital zoom

Traffic Data Sensor HD
(optional)

Heavy-duty Galvanized
Steel Construction

42' Mast Extension

Solar Array

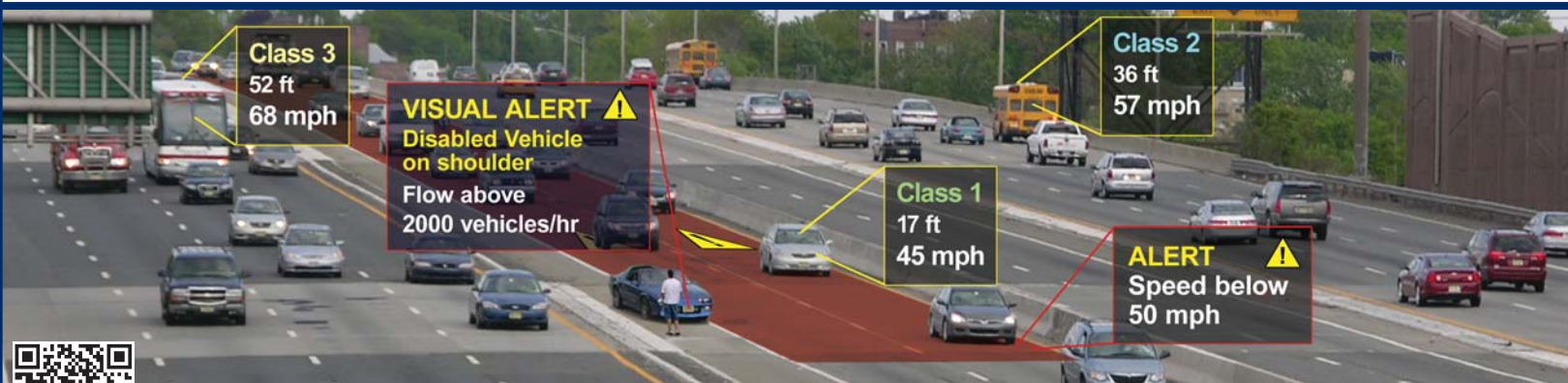


Easy transport and setup

Real-time remote monitoring
of battery and solar status

Traffic Management Software

- Dynamic multi-lane traffic visualization
- Wireless video, traffic, and weather data
- Automate traffic alerts
- Density, volume, speed, gap, vehicle class by lane
- Selectable triggers for email and online alerts
- Travel time analytics broadcast to DMS
- Solar and battery status monitoring
- Easy data export to Excel



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1-800-EARTHCAM
www.earthcam.net

1. Physical

Traveling Dimensions: 15' L x 7' W x 7' H (4.6m L x 2.1m W x 2.1m H)
Weight: 2800lbs (1270kg)

2. Construction

Single Torsion-type Axle Steel Welded Trailer with 2" Adjustable Ball Hitch Manual Outriggers
DOT Approved Lighting Package to Include Brake and Marker Lights
Trailer Mounted Locking Manual/Motorized 42-Foot Mast with Spiral Conduit for Cable Deployment
Full Size Spare Tire
Guy Wires: To Stabilize an Extended Mast and Steady the Camera Shot

3. Battery Bank

Charge Controller with Remote Monitoring
Battery Type: Twelve 6Volt DC Deep Cycle Batteries
45 Amp AC Battery Charge

4. Solar Array

Single Crystal (monocrystalline) Silicon Photovoltaic Modules
Region of Operation: Contiguous United States
Autonomy: 4 Days Battery Backup

5. Camera

All Aluminum Camera Housing with an Impact Resistant Acrylic Dome
Imager: 1/4" EXview HAD, Sensitivity: 0.00018 lux B/W, 0.55 lux Color, 540 TV Lines
Lens: F-Stop: F/1.4, Motorized Zoom: 3.4mm – 119mm, 35x Optical, 12x Digital, Image Stabilization
Auto Features: Shutter and Low Shutter Modes, White Balance, Focus
Pan/Tilt: Pan Range: 360° Continuous at Speed of 0.1°-80°/s, Tilt Range: +2° to -92° at Speed of 0.1°-40°/s

6. EarthCam Webcaster

Single Channel Video Server Webcaster 5001, Frames Per Second: 30fps, Compression: Motion JPEG, MPEG
Events Triggered by Motion Detection, External Inputs or Schedule and Alarm Notification Via E-mail,
TCP, HTTP
Communication: 10Base-T/100Base-TX Ethernet, IP Addressing: Dynamic or Static
Designed for "EarthCam Control Center – Streaming Video Edition – Robotic with Mobile Support" Software

7. Communication

Wireless GPS Modem EV-DO Rev.A Full Duplex Transceiver with Dual-Band Support for Both 800 MHz Cellular and
1.9 GHz PCS Bands. Forward Link Up to 3.1 Mbps; Reverse Link 1.8 Mbps and Real Time GPS Reporting

8. Interface and Online Software Features

Software Delivered by Vendor as a Managed Service
Displays Company Logo and Project Name
Capable of Viewing Actual Live Video
Picture in Picture to View and Control Live Video, While Viewing Additional Data
Robotic Pan, Tilt, Zoom Control of Camera System
Calendar Based Navigation System for Selecting Specific Images
Multifunction Image Browsing
Pan, Tilt and Zoom Capability within a High Definition Image
A Multiview Screen to View All Cameras on Project at the Same Time
Graphical Mark-Up Tools for Detailing and Creating Overlays on Images
Graphical Weather Applet Displaying Ten Points of Local Weather Data and 48-hour Forecast
Remote Solar Monitoring Screen Displaying the DC Amperage Output of Solar Panels
Remote Battery Monitoring Screen Displaying Battery Voltage, Temperature and Status
Remote Cellular Monitoring Screen Displaying Connectivity, Network Traffic and Modem Temperature
Remote Wireless Radio Monitoring Screen Displaying Connectivity, Network Traffic and
Google Map Features Including Wireless Radio Locations
Share Image Tools: Save, Print, Email and Post to Message Board or Mobile Devices
Automated Progress Report in PowerPoint, Open Office and PDF Formats
Map, Aerial and Satellite View by Google
Time-Lapse Feature Includes – Instant Time-Lapse Play Back by Day, Week, Month or Year
Machine to Machine Self-Healing Technology Automates Maintenance of Camera Up to 288 Times Daily
Account Security Features Include – Four Levels of Password Protection, IP Address Block/ Permission and SSL
Protection of User Login Password
All Images are the Copyright of the Client and Protected on Secure Servers Owned and Operated by the System Vendor