

TrailerCam - Megapixel Robotic

Self powered trailer features mast mounted 288 MP multi-layer panorama camera with live video, multi-presets and maintenance-free wiper system.



MegapixelCam Robotic with maintenance-free wiper

- Fast, Easy Deployment
- Critical Documentation of Large Area Projects
- The Best Panoramas: 29376 x 9792 pixels
- Promote Progress on Public Websites
- Compare and Share Engineering Milestones
- Reduce Travel and Enhance Green Initiative



- Wireless operation
- Self generated solar power
- 30' telescoping mast
- Intelligent software and sensors
- Real-time remote monitoring of battery usage, voltage level, etc.

Wireless and Solar

GSA

Control Center 7 Software Features - www.earthcam.net/software



Project Dashboard



Live Video & Archiving



Weather Documentation



Wireless & Solar Data



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1-800-EARTHCAM
www.earthcam.net

- 1. Physical**
Dimensions: Trailer 12' L x 6' W x 10' H (3.66m L x 1.82m W x 3m H)
Camera Enclosure: 6.9" (175mm) W x 6.6" (168mm) H x 19.4" (493mm) L
Max Payload: 3500lbs (1587.6kg), Camera Enclosure Weight: 13lb (5.9kg)
- 2. Construction**
Trailer: Single Axle Steel Welded Trailer with 2" Adjustable Ball Hitch and Telescoping Manual Outriggers DOT Approved Lighting Package to Include Brake and Marker Lights with Wire Connection
Trailer Mounted Manual/Motorized Mast with Spiral Conduit for Cable Deployment
Full Size Spare Tire
Guy Wires: To Stabilize an Extended Mast and Steady the Camera Shot
Robotic Camera: Body Constructed from Extruded Aluminum and Die-Cast Aluminum End-Cover Plates
Weatherproof Feature is Maintained by 2 EPDM-Rubber End Gaskets between Cover Plates and 3 Cable Glands
High-Performance Outdoor Pan/Tilt Designed to Provide Steady Images in Windy Environments
Thermostatically Controlled Heater and Blower
- 3. Robotic Camera System**
Imager: 8.0 Megapixel, 1/2.5" CCD
Lens: f/2.7 – f/3.5, Motorized Zoom 6mm – 72mm, 12x Optical, 4x Digital
Resolutions: 3,264 x 2,448 Pixels = 8 Megapixels, Panoramic 29,376 x 9,792 Pixels = 288 Megapixels
Auto Features: ISO, Shutter, White Balance and Focus
Video Compression: AVI (Motion JPEG)
Pan/Tilt: Pan Range: 360° Continuous Pan, Tilt Range: +30° to -90° from level, Motor Type: Stepper
Communication: 10Base-T/100Base-TX Ethernet, IP Addressing: Dynamic or Static
Designed For "EarthCam Control Center – Megapixel Edition – Robotic with Mobile Support" Software
- 4. Battery Bank**
Charge Controller with Remote Monitoring
Battery Type: 6 Volt DC Deep Cycle Batteries
- 5. Solar Array**
Single Crystal (Monocrystalline) Silicon Photovoltaic Modules
Region of Operation: Contiguous United States
Autonomy: 4 Days Battery Backup
- 6. Communication**
Wireless GPS Modem EV-DO
- 7. 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 Live Video, While Viewing High Definition Images
Robotic Pan, Tilt and Zoom Control of Camera System
Featuring High-Definition Panoramic Images with a Panoramic Image Comparison Tool
Calendar Based Navigation System for Selecting Specific Images
Multifunction Image Browsing
Pan, Tilt and Zoom Capability within a High Definition Image
Onscreen Control Button for Wiper Control to Allow Remote Cleaning of the Viewing Window
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