



MegapixelCam Robotic

Precision controls and 700 megapixel panoramas



- Live Video, HD Images and Presets in One Camera
- Solar and Wireless Camera Technology
- Maintenance-Free Washer and Wiper
- On-Board Backup Storage



Private Access for Executives



Public Website for Marketing



Share High Def Cinematic Panoramas



Installation and Maintenance



HD Archives and Time-Lapse Movies

Camera Options:



Solar Power System

- Fully Autonomous System
- Remote Monitoring & Diagnostics
- Circuit Breaker & Fuse Protected
- Automatic Shutdown & Recovery



Wireless Communications

- 3G/4G Wireless Technologies
- Mobile Broadband Service
- Point-To-Point Microwave Wireless
- Wireless ISP



Remote Powerwasher and Maintenance Kit

- Remote or Timed Actuation
- 23 Liter Capacity
- Remote Low Fluid Alert
- 5m and 30m pump height options

- Auto-generated 700MP multi-layer panoramas
- Wide screen live streaming video preview
- HDR imaging and additional creative effects including Miniature, Color Sketch and B&W
- Additional camera settings access
- Ultra-precise PTZ controls with multiple presets
- Maintenance-free wiper to ensure clear images
- Housed in a thermostatically regulated, corrosion-resistant black enclosure
- Fast, dependable, solid state Linux system



DOWNLOAD ELECTRONIC VERSION OF THIS SPEC

<http://www.earthcam.net/aespecs/megapixelcamrobotic>

For additional EarthCam A&E specs visit: <http://www.earthcam.net/aespecs/systems>



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1-800-EARTHCAM
www.earthcam.net

1. Physical

**Dimensions: Camera Enclosure: 6.9" (175mm) W x 6.6" (168mm) H x 19.4" (493mm) L
Pan/Tilt Unit: 7.0" (178mm) W x 10.5" (274mm) H x 6.4" (163mm) D
Weight: Camera Enclosure: 13lb (5.9kg), Pan/Tilt Unit: 12lb (5.4kg)**

2. Environmental

**Operational Temperature: -10°F to +120°F (-23°C to + 49°C)
Thermostatically Controlled Heater and Blower**

3. Construction

**Built-In Aluminum and Epoxy Powder Painted, Weatherproof Standard IP66/IP67
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**

4. Pan and Tilt Robotic Base

**High-Performance Outdoor Pan/Tilt Designed to Provide Steady Images in Windy Environments
Pan/Tilt: Pan Range: 360° Continuous Pan, Tilt Range: +30° to -90° from level, Motor Type: Stepper**

5. Camera

**Imager: 16.2 Megapixels (4928 x 3264 Pixels), 15.6mm x 23.6mm DX-Format CMOS Image Sensor
Lens: F/3.5-5.6, 18mm - 55mm, 3x Optical
Resolutions: 4928 x 3264 Pixels = 16 Megapixels, Panoramic 54208 x 13056 Pixels = 704 Megapixels
Auto Features: ISO, Shutter, White Balance and Focus
Video Compression: Motion JPEG, Preview: 640 x 480 Streaming Video Resolution
Communication: 10base-T/100base-TX Ethernet, IP Addressing: Dynamic or Static
Designed For "EarthCam Control Center - Megapixel Edition – Robotic with Mobile Support" Software**

6. Electrical

Operational Voltage: 120VAC (230VAC Available), Power Consumption: 35W

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**