

MegapixelCam Advanced

Our best 16 megapixel HD fixed position camera



- Live Video and HD Images in One Camera
- Solar and Wireless Camera Technology
- Maintenance-Free Washer and Wiper
- Integrated Cooling System



Private Access for Executives



Public Website for Marketing



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

- 16MP large High Def images: 4,928 x 3,264
- Wide screen live streaming video preview
- HDR imaging and additional creative effects including Miniature, Color Sketch and B&W
- Additional camera settings access
- Superior quality time-lapse playback
- Maintenance-free wiper ensures optimal image clarity
- 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/megapixelcamadvanced>

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



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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. Camera

**Imager: 16.2 Megapixels (4928 x 3264 Pixels), 15.6mm x 23.6mm CMOS Image Sensor
Lens: F/3.5-5.6, 18mm - 55mm, 3x Optical
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 – Fixed with Mobile Support"
Software**

5. Electrical

Operational Voltage: 120VAC (230VAC Available). Power Consumption: 130W

6. 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
HD Snapshot on Demand: HDR (High Dynamic Range) Imaging and Additional Special Effects
Including Architectural Miniature, Artistic Color Sketch and Cinematic Black & White
Picture in Picture to View Live Video, While Viewing High Definition Images
Calendar Based Navigation System for Selecting Specific Images
Multifunction Image Browsing
Pan, Tilt and Zoom Capability within a High Definition Image
Access Advanced Camera Settings Including ISO, White Balance and Picture mode
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**