PTZ500 Jobsite Camera

HD Panoramic Solar Camera for Large Projects and Enhanced Marketing

PTZ500x-102 Solar-Powered PTZ Camera Kit

Time-lapse, Panoramas, Safety and Security Made Easy

The PTZ500 solar-powered panoramic jobsite camera is designed for flexible site monitoring, enhanced build inspection and project marketing. Ideal for large-scale jobsites requiring a wider coverage area and fine detail, this advanced site camera provides time-lapse video and ultra-high resolution panoramas. The optical zoom capability allows for capturing very fine detail over extremely large project areas on demand. This complete/integrated/compact solar camera requires no power and is easy to deploy and relocate.

The PTZ500 site solution is powered by Sensera's SiteCloud® platform which provides easy-to-use software for viewing, monitoring, and sharing real-time site data, detecting actionable insights, and simplifying work-flow. SiteCloud is tightly integrated with Sensera's complete line of jobsite cameras, SitePOV™ mobile app, and SiteCloud-AERIAL™ drone photography services to provide comprehensive automated site monitoring from a simple web interface. SiteCloud service includes WiFi and 4G LTE connectivity making it a true end-to-end solution. Integrations with Autodesk® BIM 360, Procore®, and PlanGrid simplify and automate workflow across the enterprise.

Plug 'n Play Installation
- Ultra-high resolution, wide angle Panoramas
- On-demand pan-tilt-zoom to view fine detail on the largest jobsites in real-time
- Automated Panoramas
- Compact, Light-weight, Easy to Move or Reposition

Access Your Camera 24/7
- Minimize Travel and Time from Site to Site
- Monitor Project Progress and As-built Status
- Improve Collaboration with Stakeholders
- Market Your Projects and Promote Your Business
- Mitigate Risk and Enforce Safety Processes

Camera

Image Sensor	CMOS
Resolution (still)	8 Megapixel (3264 x 2448) Configurable to lower resolutions.
Resolution (streaming/ recorded video)	1280 x 720 (720p)
Video Compression	H.264 or MJPEG
Video Streaming	MJPEG or H.264 streams. Supports multiple viewers of live video stream
Range of Motion	Pan: 120°, Tilt: 50°
Field of View (FoV)	H FoV 52° (zoomed out), 7.2° (zoomed in) V FoV 39° (zoomed out), 5.4° (zoomed in)
Field of Regard (FoV + pan/tilt range)	172°(h) x 89°(v) (zoomed out), 127°(h) x 55.4°(v) (zoomed in)
Optical Zoom	8°(h) x 50°(v)
DVR	128 GB edge storage, approx. 40 days @ 720p video

Network

Cellular	4G LTE (multiple carriers available)
WiFi	802.11 b/g/n
GPS	Built-in GPS positioning

Power

Solar Power Input	18-24VDC with Maximum Power Point Tracking (MPPT)
Solar Panel (approx.)	Included, 35W 31" x 14" x 1"
Auxiliary Power Input	18-24VDC
Battery	Integrated rechargeable Lithium Iron Phosphate (LiFePO4). 5 days power typical
Supply Power	110/220VAC input @ < 0.74 Amps via included AC/DC power adapter.
Camera Power	18-24VDC @ < 1.5 Amps @ 24 V

Physical

Camera Dimensions	7.5"(W) x 9.75" (D) x 8.5" (H)
Camera Weight	7 lbs 14 oz
Solar Panel Weight	7 lbs
Mounting Hardware	Pole/wall mount included

Environmental

Operating Temperature	-20°C (-4 °F) to +50°C (122°F)
Enclosure Material	Polycarbonate
Encapsulation	All-Weather IP65

SiteCloud Remote Management Highlights

Camera Admin/Monitoring	Administer and manage camera from any web enabled device. Multi-user. 24/7 access.
Image Archival	Secure archival of images, DVR clips, Time-lapse video. View/download anytime.
Time-lapse Video	Create automated and on-demand time-lapse video with the click of a button. View and download anytime.
Video	Video/image recording with web-based upload.
Live Video Streaming	View live video from any web enabled device. 7-day image history for situational awareness
Panoramas	Automated scheduled panorama capture and viewing.
Project Updates	Schedule daily/weekly emailed image updates to project team/stakeholders.
Public Access URL	Show your work to the public via a public URL, or embed in your website.
Workflow Integrations	Integrated with popular project management software including: Autodesk BIM 360, Procore and PlanGrid.

See the SiteCloud datasheet for full details on SiteCloud Software and Service

Ordering

PTZ500x-102 RT-PTZ500x-102 (rental)	PTZ500 Camera Kit (Solar or AC Power) Includes camera, integrated battery pack, solar panel, mounting brackets. Requires SiteCloud Service for operation.
Available Carriers	Verizon, AT&T, T-Mobile (United States) Telus and Rogers (Canada)
Cloud Service	SiteCloud cellular plans start at 1GB
Optional Accessories	Tripod kit, 20' telescoping pole, portable solar trailer

SPECIFICATIONS SUBJECT TO CHANGE
Images are for illustration purposes only

Made in the USA