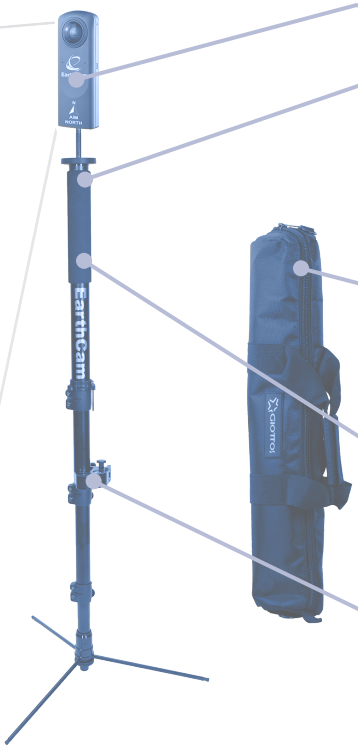
Bid Specification
Photographic Documentation

360° 23MP VR Site Tour Camera Kit



23MP 360° Spherical Photos

4K 360° Spherical Videos

RAW / JPEG Format

Audio Support

Digital Display

- Provides camera information, including battery level, image count and camera mode

Short-Term Time-Lapse Video

50GB Internal Storage

WiFi Remote Capture through Mobile App

360° VR Site Tour Camera

Environmental Data Sensor

- Configured to monitor temperature, humidity and dew point

Monopod Storage Bag with Zippered Pocket for 360° VR Site Tour Camera Storage

66.8" Aluminum Monopod with 3-Leg Locking Base

- Lightweight (2.5lbs)
- 40lb maximum capacity

Attached Clamp with Level and Compass

Specification includes camera system and managed services

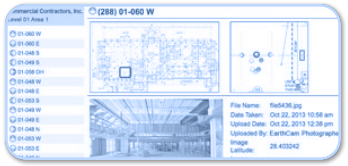
360° Spherical Photos and Videos

Short-term Time-Lapse Video

Photography Documentation Software

Guided Tour

Mobile App



End of Project Report

Consulting and Engineering

360° VR Photography Services

Full Service Support

Photo Management

Additional services included

EarthCam.net
The Webcam Technology Experts

1-800-EARTHCAM
www.earthcam.net/contactus

GSA

Connect:

Call: 1-800-327-8422

EarthCam 360° 23MP VR Site Tour Camera Kit Model # ECCS10009

01.32.33 Photographic Documentation Bid Specification

1. The Contractor shall provide comprehensive photographic documentation of existing conditions, construction progress and of Pre & Post Inspection milestones on a daily or as needed basis. The images will be mapped to a site plan of the project and be available to view online as a managed service provided by the System Vendor.

   CONTACT SYSTEM VENDOR: EarthCam / Brian Cury +1 201.488.1111 Email: WWW.EARTHCAM.NET/CONTACTUS

2. The photographic documentation service shall meet or exceed the following requirements:
   - 2.1 23MP (6720 x 3360 pixels) Dual 1” image sensors
   - 2.2 4K H264 movie recording, 4x internal microphone for spatial audio
   - 2.3 RAW/JPEG recording file format
   - 2.4 Ability to create short-term time-lapse video
   - 2.5 4K wireless livestream capabilities, 30 fps
   - 2.6 Focus free fisheye f/2.1, 3.5, 5.6 lens
   - 2.7 Auto, Manual and Shutter Priority shooting modes
   - 2.8 ISO (Auto, 80-6400), automatic/custom white balance, +-2 EV exposure compensation
   - 2.9 Digital display provides camera information, including battery level, image count and camera mode
   - 2.10 12” USB Type-C Cable
   - 2.11 USB rechargeable li-ion battery, battery life typically 300 photos or 60 minutes of video
   - 2.12 Dual communication Bluetooth & wireless LAN
   - 2.13 Operating temperature 32°F-104°F
   - 2.14 66.8” 3-Leg locking base aluminum monopod, 4 sections, 40lb max capacity
   - 2.15 Aluminum survey pole quick clamp with 40 minute level vial and compass
   - 2.16 Designed for EarthCam Control Center – Photography Documentation

3. Internet Based Online Interface: The photography documentation service will be delivered as an internet based Software as a Service (SaaS) solution. This online interface will be managed and supported by the System Vendor. The service will be available for the term of the project and allow the viewing of High Definition digital still images captured and stored of the project via a secure password protected website.

   The Internet Based Online Interface shall include the following features:
   - 3.1 Responsive HTML5 design for cross-platform access on desktop and mobile devices
   - 3.2 Display project name and logo
   - 3.3 Project Dashboard allows easy navigation between multiple cameras and projects
   - 3.4 VR Web View support for 360 Spherical Imagery
   - 3.5 Guided tour mode for navigation of 360 spherical images
     - 3.5.1 Auto-play slideshow of 360 images at the click of a button – choose slideshow speed, toggle marker/floor-plan/notes overlays, loop through the end of tour
     - 3.5.2 Jump to different markers and images while in a guided tour – the tour resumes from the new location
   - 3.6 Navigation of 360 spherical Imagery with Mini-Map of site plan and correct direction of view
   - 3.7 Electronic Indexing of images by staff, trade, date, time, location and keyword tags
   - 3.8 Navigation system for selecting specific images, dates, floor plans, photos, markers and flags
   - 3.9 Multifunction Image Browsing
   - 3.10 Upload Tool for adding site plans and photos
   - 3.11 Full Screen Mode for full screen view of site plans and images
   - 3.12 Advanced image filters
   - 3.13 Print full size images
   - 3.14 Geotagging of images
   - 3.15 Graphical Markup Tools for detailing and creating notes with graphical overlays on images
   - 3.16 Photo Management Tool for setting orientation, cropping, rotating and aligning photos
   - 3.17 Image Comparison Tool for comparing two images taken at different times, overlayed on top of each other
   - 3.18 Project Management Software integration (Aconex, Autodesk Construction Cloud, Autodesk Build, CMiC, InEight, Infotech, PlanGrid, Procore, Raken, Salesforce)
   - 3.19 3D/4D Model Integration (Autodesk Navisworks, Autodesk Revit, Bentley Synchro)
   - 3.20 Mark up images to create RFIs, Observations, and Change Events with Procore
   - 3.21 Automatic synching of time-lapse content to site plans and BIM 3D models
   - 3.22 Share Image Tool for saving, printing, emailing, sending to mobile devices
   - 3.23 Social Media Integration Tools for promoting and sharing project images and notes, 360 spherical image view with Facebook and YouTube 360 Video support
   - 3.24 Weather data (temperature, relative humidity, dew-point) captured with an integrated local weather sensor and attached to every 360 image
   - 3.25 Integration of Maps, aerial and satellite imagery with site plans
   - 3.26 Ability to filter images to view only a specific group of images
   - 3.27 Ability to select images to organize and compile for reports and presentations
   - 3.28 Ability to flag images to organize and share punch list reports with three levels of urgency
   - 3.29 Ability to access image URLs to display automatically on public websites
   - 3.30 VR Site Tour App available for iOS and Android devices

4. Access to account protected by Account Security feature which includes four levels of password protection, IP address block/permission and SSL protection of user login password

5. Images will be maintained on the System Vendor's servers for reference available at all times during the life of the project and for no less than 60 days after completion. All images will be protected on servers owned & operated by the System Vendor and located in a secure area at the System Vendor's location.

6. The System Vendor shall provide all images and related data at the end of the project.
   - 6.1 All images shall be loaded into a searchable PDF floor plan