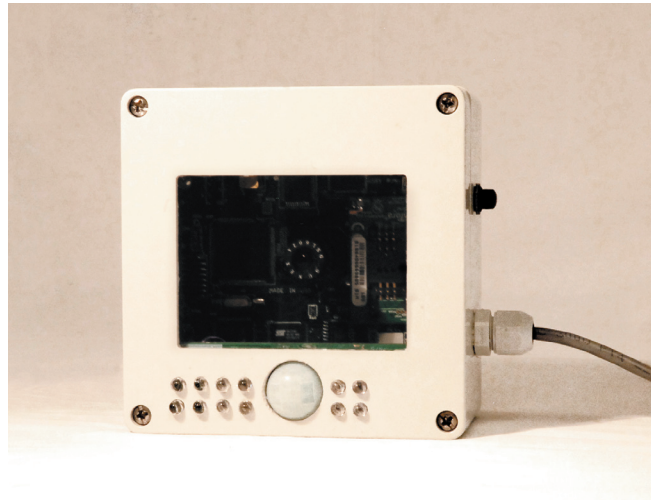




## GSM Remote Site Camera

Lookout V is a weatherproof snapshot camera that uses GSM cellular internet service offered by GSM cellular providers including AT&T and T-Mobile, to transmit JPG images to any designated FTP (File Transfer Protocol) or SMTP (email) server. Images can be acquired continuously, at intervals, or according to schedule. Once Lookout has transmitted them to the server, images can be viewed, managed, archived, and served to other web clients.



### Applications

**Construction Site Monitoring** - Lookout V offers a sensible means to visually monitor construction sites on a continuous basis. Simply mount the camera in a location suitable for acquiring the pictures you require. Keep a watch over work progress and valuable equipment. Lookout is easily moved as construction progresses and your visual monitoring needs change. Lookout can easily move with you as you complete jobs and start new ones.

**Ferryboats, Dredges and other Marine Craft** - Lookout V is ideal for installation on boats because it uses wireless service that covers an extended region, as much as 40 miles out to sea! Simply position Lookout in a location suitable for acquiring the pictures you require from your vessel. Lookout can help you monitor dredging progress.

**Special Events and Resorts** - Are you promoting a special event with a web site? Lookout V is the perfect way to put up-to-the-minute snapshots of your event on the internet. Colorado Video remote cameras have even been used to make live wedding snapshots available to friends and relatives who couldn't personally attend. Resorts can move Lookout V around as different events require.

**Law Enforcement** - Lookout can help you watch for graffiti, vandalism, marijuana cultivation, and trespassing incidents. Law Enforcement organizations use Colorado Video remote cameras to "stakeout" remote sites.

**Geology and Forestry** - Lookout V can assist spotting and monitoring of rockslides, floods, fires, wildlife, and vandalism.

**Aviation** - Aircraft are valuable assets, frequently left unattended at General Aviation airports. Lookout can help you keep an eye on your airplane. Lookout can also supply pilots making a difficult go/no-go decision with a helpful picture of the current weather conditions at a distant airport.

**Pipelines** - Frequently, pipelines are located where wiring for conventional video cameras isn't practical. Lookout can help you view a pipeline where you otherwise might not be able.

**Gain Peace of Mind** - View remote assets such as vacation homes, aircraft, oil wells, utility infrastructure, or parking facilities with Lookout V. Lookout will send you snapshots on a scheduled basis to keep you informed of the situation at your remote site.

# Colorado Video

## General Description

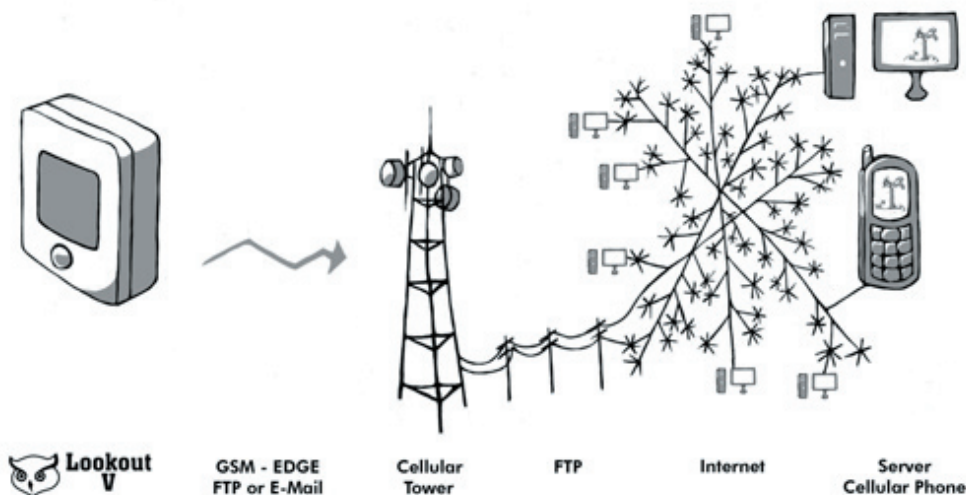
Lookout V is a weather proof, unit constructed in a polycarbonate chassis. An acyclic window at one end provides protection for the camera lens inside. Controls and interface connectors are also behind this cover. The GSM antenna is internally mounted. The camera is mounted by means of a standard 1/4-20 threaded hole in bottom of the chassis.

850nm Infrared sensitivity and illumination are separately available as options to add covert night vision to Lookout's standard day capability.

Operational settings for Lookout V are made using a common browser running on a computer connected to the camera through an RS-232 port before final installation. These settings include exposure, picture quality, color balance, picture size in pixels, transmission schedule, time, date, day, GSM account settings (APN and PIN), and FTP SMTP server settings (IP addresses, folders, and passwords).

External connections include external DC power (5 to 14 VDC), and external lighting control that enables the camera to activate lighting for the short time necessary to acquire an image. GSM data service must be established for Lookout V before snapshots can be transmitted.

Lookout V transmits jpg images using FTP or SMTP via GPRS cellular data service to any internet server. Once stored on the server, images can be viewed, archived, managed and served to other web clients.



## Specifications

<b>Model:</b>	Lookout V 455 GSM Remote Mobile Wireless Internet Camera
<b>Size:</b>	4.2"W x 2.4"L x 4.2"H
<b>Antenna:</b>	Internal
<b>Mounting:</b>	1/4 x 20 threaded hole, bottom panel
<b>Power:</b>	External: +5 to +14 VDC, 1500mA Peak., 360mA RMS, 160mA Idle, 0mA at Rest
<b>Connector:</b>	3' cable, striped and tinned ends External Power Input Illumination Control Output: NC for Off, Grounded for On
<b>Setup Connector:</b>	RS-232 Serial (DE-9 D-sub)
<b>Controls (side panel):</b>	Single Multi-function Push Bitton
<b>Chassis:</b>	Polycarbonate, NEMA 4X
<b>Output Signal:</b>	EDGE, GPRS, (GSM) Quad Band Cellular, 850, 900, 1800, 1900 MHz
<b>Resolution:</b>	User Selectable at: 320H x 240V, or 640H x 480V JPG
<b>Transmission Protocol:</b>	Email: SMTP FTP (preferred) FTPJPGReader12.exe InstallCamera3.exe