

▶ Remote Video Monitoring System

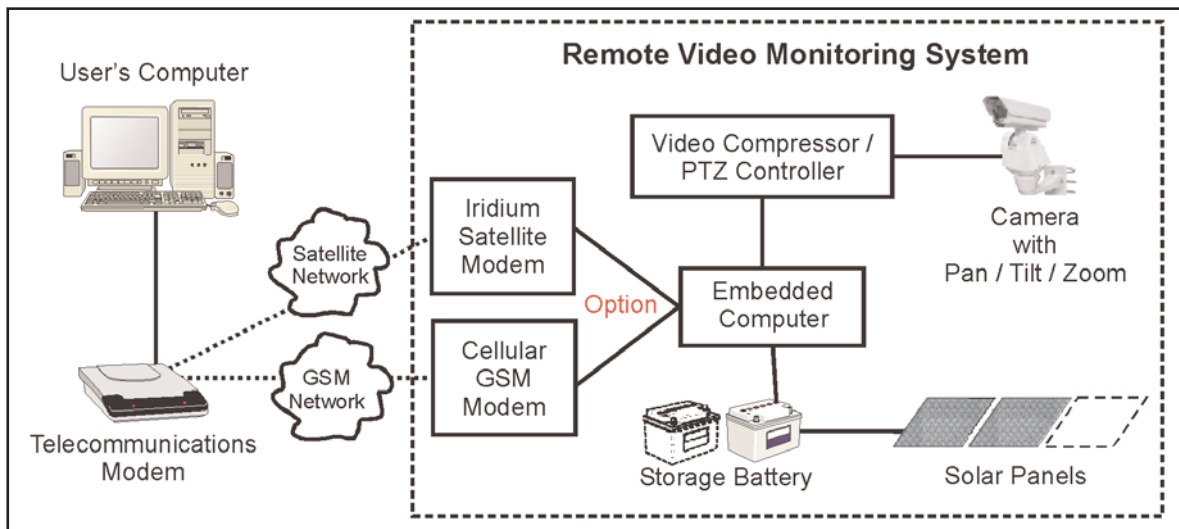
The Remote Video Monitoring System (RVMS) allows a user to view and capture images from remote locations where there is no electrical power or terrestrial communications infrastructure.

The user connects to the RVMS using any computer with a telecommunications modem. An Iridium satellite communications modem within the RVMS allows the remote system to be located anywhere in the world. For low cost data transfer, a cellular GSM modem within the RVMS allows the remote system to be located anywhere where there is GSM coverage. Once connected, the client software provided allows the user full control of the pan, tilt and zoom (PTZ) functions of the camera and the ability to view images in real-time and to save images to their local data storage media.



The RVMS derives its power from solar panels which keep a storage battery fully charged while the system is not in use. The storage battery allows for several hours of operation even when ambient light conditions are poor.

Architecture



Features

- Solar Powered with Storage Battery
- Iridium Satellite Communications for True Remote Operation
- GPRS Communications for Low-Cost Communications
- 360° Continuous Pan Rotation
- +33° to -83° Tilt Range
- 20x Optical Zoom
- Settable Presets for Common Camera Views
- Full Operation in Wind up to 140 km/h;
Resilience up to 200 km/h
- Lens Wiper to Allow Viewing of Images in Rain

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Customer Supplied Equipment

- Standard PC with Microsoft Windows Operating System for User Terminal

Specifications	
Image Resolution	1 920 x 1 080, 720 x 288; 512 x 256; 256 x 128; 128 x 80 pixels
Colour Depth	16 bits
Video Compression	(M)JPEG Differential Compression with Adjustable Compression Factor
Field of View	54° (Wide) to 2,9° (Telephoto)
Minimum Illumination	2 Lux
Frame Rate	22 fps
Camera Pan	360° Continuous Rotation
Camera Tilt	+33° to -83° from Horizontal
Camera Zoom	20x Optical
Camera Focus	Auto with Manual Override
Camera Iris	Auto with Manual Override
IP Rating	IP67
Storage Battery Life	> 5 Hours Continuous PTZ Operation
Mounting	Poles, Brackets and Wiring Provided

Environmental Specifications	
	Commercial Grade
Temperature	
- Operating	-30 C to +50 C
- Storage	-40 C to +70 C

Optional Enhancements to Remote Video Monitoring System

- Lens Washer System
- Wind Speed/Direction Sensor
- Atmospheric Pressure Sensor
- Rain Gauge
- Temperature Sensor
- Additional Storage Batteries for Longer Continuous Operation
- Additional Solar Panels for Increased System Availability
- Customer-Specified Lightning Protection
- Customer-Specified Software Functionality