

Remote-Video Monitoring System

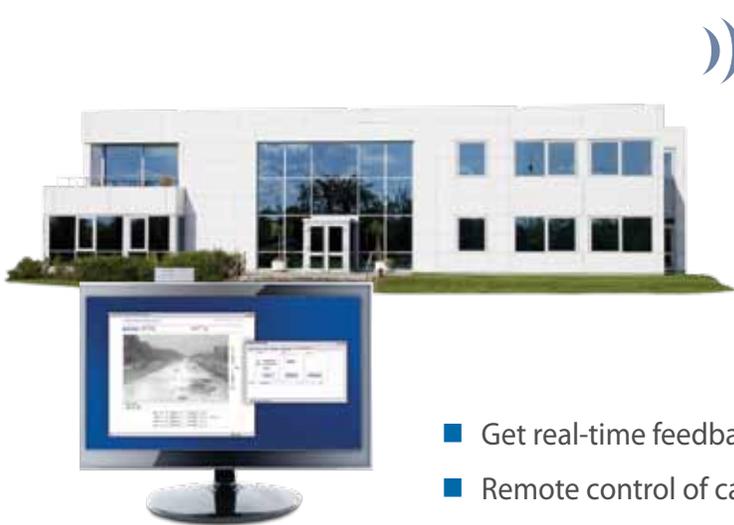


Live video monitoring on a portable platform

View traffic and road conditions in real-time from any monitoring center using remotely accessed live video and an Internet connection.



From your monitoring center, control and monitor the PTZ day/night video camera and message sign.



- Get real-time feedback with live video
- Remote control of camera's pan, tilt and zoom
- View traffic speeds using optional radar
- Check weather and actual ambient temperature
- See road conditions as they change
- Move the portable system between locations



Remote-control system is feature rich and easy to use

Communication with the Remote-Video Monitoring System (RVMS) is made possible using a computer, an Internet connection, and a cellular router installed at the message sign. Connect to the system from your office, a command center, or any Internet-enabled location.

With client software installed, you can access and control the RVMS video camera, message sign and accessories. Pan, tilt, and zoom the camera and modify the message displayed on the sign remotely, using your computer.

Monitor traffic speed using radar, map the camera and sign location with GPS data, view weather at the sign and more, all in real time.

The trailer is portable and can be towed by most vehicles. Once the destination has been reached, deploying the sign takes one person less than 10 minutes. The camera tower and message board can be raised and lowered independently, allowing you to use either one without the other turned on. The camera tower retracts fully, and the message board rests in a cradle when lowered, guarding against damage during transport and storage.





Remote access

RVMS remote communications components include a 3G cellular router, the message sign's control software, various server devices, and optional accessories. Internal connections at the message sign are wired and configured at the factory.

Client software installed on your computer lets you use a standard Web browser to "call up" the cellular router. The RVMS video server provides access to the camera, while the router enables access to the message sign's NTCIP-compliant control system. A device server lets you view data from accessories such as radar.



Brief specifications

Components

Cellular router	High-speed ConnectPort™ 3G cellular router with two serial ports, four Ethernet switch ports, air support, EvDO
Video server	IP address filtering, HTTPS encryption, IEEE 802.1x authentication
Device server	Industrial serial device server, 2-port, serial-to-Ethernet conversion
GPS	Location mapping
Optional components	Approach-only radar speed detector
Local control console	Easy-to-use interface, NTCIP-compliant software, password-protected access, low-voltage-disconnect protection

Camera system

Camera model*	Vicon® Surveyor™ or Pelco® Spectra IV™
Camera type	Clear-domed day/night, pan-tilt-zoom (PTZ)
Optical zoom	23X
Video	Motion JPEG and MPEG-4 streams
Network security	Multiple user access levels, IP address filtering, HTTPS encryption, IEEE 802.1x authentication
Communications	High-speed 3G cellular router, accessible via TCP/IP Internet access
Tower	Electric-winch operated, telescoping tower rises to 57 in. (145cm) above top of message sign board, 18 ft. (5.5m) max. camera height

Controls and monitoring software

Video	MPEG video and PTZ camera control using Axis® Video via Internet browser
Message sign	NTCIP-compliant message board control and monitoring using Wanco remote software
Status monitoring	Camera power control and monitoring and real-time radar capture using Wanco LVD SCADA
GPS	GPS data access using Virtual Port or GPS software with TCP/IP
Radar	Approach-only radar can be displayed on Portable Work Zone software, providing approximate speed of traffic

Optional hybrid-diesel charging system

Auto start/stop	Battery-charging system engages based on load battery status, starting and shutting down engine as needed
Engine features	Single-cylinder, air-cooled diesel engine with cold-starting aids, low oil and high temperature safety shutdowns, deep sump oil pan, start-battery charging
Alternator	Heavy-duty marine-type, 12 V dc output at up to 150 A
Fuel supply	30-gallon fuel supply lasts 30 days or longer depending on environmental influences
Enclosure	Lockable, weather-resistant steel enclosure contains engine assembly and fuel tank

*Camera options available. For more information, contact the factory.

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