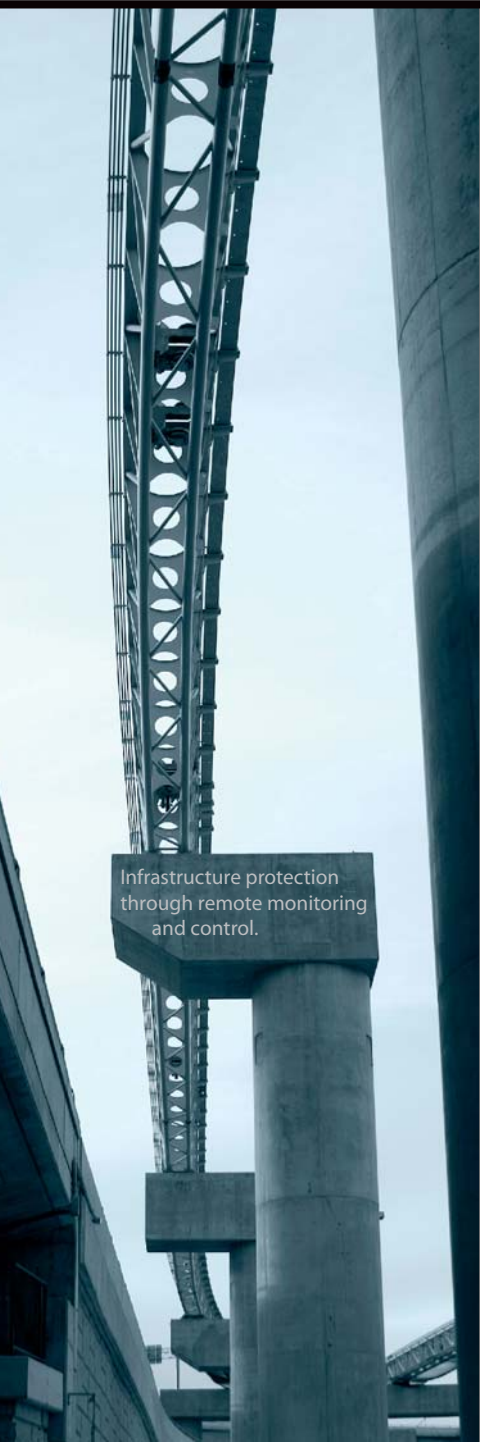


Disaster Resistant Event Network

Data Sheet



Infrastructure protection through remote monitoring and control.

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Disaster Resistant Event Network

The Disaster Resistant Event Network from Dantel is a versatile, integrated monitoring and communication system, designed to provide a flexible and cost-effective means of delivering critical event data from remote or otherwise inaccessible locations.

At the heart of a DREN system is the WebMon[®] Edge. The Edge is a multifunctional telemetric device that can be equipped with GPS and multiple wireless communication interface options. The DREN transports telemetric as well as video data from other DREN remotes, and provides WAN connectivity to the Internet. The DREN provides IP sharing, making it a cost-effective IP sharing solution. In addition, the DREN provides alarm and sensor input as well as control capabilities for infrastructure and devices at remote sites. Optional solar power capabilities and wireless peer-to-peer connectivity provide for a complete stand-alone solution.

DREN features include:

- Event collection, interface conversion, data transport and storage
- Environmentally hardened
- Solar and battery power for primary or back-up power
- Power regulation for solar, generator or commercial power conversion and charging
- Video surveillance with control, storage and transport of video data
- Wireless communications with CDMA, GPRS, iDEN, GSM and GPS
- Sensors for a wide variety of environmental and security inputs
- No infrastructure required

Data Sheet

Key Features

- Wireless connectivity
- Ethernet connectivity
- Ping network devices
- Discrete alarms
- Analog alarms
- Control relays
- Terminal server ports

- IP cameras with pan, tilt and zoom
- Motion detection
- Zone of interest monitoring

- Solar reflectors with insulation

- AC power distribution
- DC power distribution with battery charger and solar panels
- Separate battery section
- Battery back-up

- Environmentally controlled
- DC powered forced air ventilation with thermostat and filter

- Internal 19" rack or flat mount
- Pole mount or ground installation
- Tamper resistant
- NEMA rating

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System Specifications (Typical)

WebMon® Edge Wireless WAN Gateway

- Power consumption: 8W
- IP port sharing: Provided
- Network technology: iDEN, CDMA2000 1xRTT, EDGE, or EVDO(4Q, 2005)
- Transmission rate: 20 Kbits per second to 1.5 Mbits per second
- Wireless vendors: Nextel, Verizon Wireless, Cingular, Sprint or Southern LINC
- Video: IP video cameras with PTZ
- Protocols: MODBUS, SNMP V1, V2c, V3, SMTP, HTTP, TCP or UDP
- Operating temperature: -40C to 70C
- Alarm and controls: 8 alarms, 2 controls, NO or NC, GPS-based alarms optional
- GPS resolution: 9' to 12'

- FCC Part 15 Sub Part B (USA)
- ICES-003 (Canada)
- CISPR 22 and CISPR 24
- EMC Directive EN 300 386 (CE)
- GR-1089 (Telcordia)
- GR-63 (Telcordia)
- GR-78 (Telcordia)

Wireless Point-to-Point/Multipoint LAN Connectivity

- Operating frequency: 902 to 928 MHz
- Data security: 128 bit encryption
- RF transmission rate: 1.5 Mb per second
- Output power: 4W EIRP with a 15 dBi antenna
- Receiver sensitivity: -101 dBm at 10^{-4} BER, -113 dBm with 15 dBi antenna
- Latency: Less than 1 ms
- Jitter: +/- 0.5 ms
- Radio channels: 12 non-overlapping
- Transmission range: 2 miles non-line-of-sight, 20 miles or greater line-of-sight, clear fresnel zone

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We're always looking for trouble.