



MCE-PCS Portable Remote Camera System

- 3G / GPRS comms
- IP66 Enclosures
- 40m IR illumination
- Low Power
- MCE-MRC Camera
- Inbuilt antenna
- Quick clamp mounts
- 10 Week Battery
- Solar Option
- Simple to install and commission

The MCE-PCS 3G / GPRS Portable Camera System is a rapid deployment unit for immediate event monitoring from remote locations. It is a complete autonomous system with PELI battery pack.

The system consists of an MCE-MRC 3G camera unit and 40m range IR illuminator. It can be installed onto existing structures such as street lights or fences and is supplied with robust quick release clamps for this purpose.

The MCE-PCS system includes a PELI power pack, which contains a 24Ah battery giving up to 10 weeks power. The Pack also contains a solar regulator, allowing connection of a 20W solar panel which will allow the camera to operate all year round. In addition the pack has inputs for external trigger sensors (ie water level switch, PIR).

The camera and illuminator are fixed within seconds using the quick release clamps and once plugged into the power pack the camera automatically connects to the mobile network and starts delivering real time images from site.

The MCE-PCS can accept connection to local sensors (eg water level) to automatically trigger enhanced image acquisition. Images are sent in real time to the Meteor Web Portal or can be directly sent via ftp or email for integration into existing SCADA or telemetry systems.



Camera Specification

Lens	M12 Board Mount. 3.6mm Standard (6mm, 12mm optional)
Resolution	2MP selectable up to 1600x1200
Image format	jpeg
Image Storage	Internal memory card, 20,000 images minimum
Input	Digital event trigger Input
IR illuminator	40m range high power, 850nm (940nm optional)
Zoom	Digital zoom 0-10 centralised
Image output	ftp, email, Meteor web portal
Configuration	SMS, email, bluetooth (optional), ftp
Filter	IR bandpass, IR cut (optional)

Communications

Modem	Quad Band GSM/GPRS/EDGE Class 10/12, Tri Band W-CDMA/HSDPA (3G)
Antenna	Internal, optional external via SMA
GPS (Option)	GPS/GLONASS via optional antenna

Physical Characteristics

Dimensions	470 x 360 x 175mm (Carry case), 260 x 170 x 230mm (Power Pack)
Weight	10 Kg (Total system)
Operating Temperature	-20 to +50 Deg C
Housing	IP66 Polycarbonate (MCE-MRC Camera unit)
Fixings	Quick release clamp system

Power

Power Supply	DC internal Battery with Solar charge input
Power consumption	<0.2W average (30W max instantaneous)
Battery Capacity	24Ah
Solar Capacity	4A Regulator (50W panel max, typical 20W)

