



MCE-MRC-EX CAMERA SYSTEM

- 4G / 3G / 2G
- Atex Approved
- Zone 1/2
- IP66
- 316L Stainless Steel
- 2 MP Image Sensor
- Web enabled
- Internal Data Storage
- Remote Configuration
- Real Time Images
- MeteorCloud Viewer
- Low Power

The MCE-MRC-EX Remote Camera delivers high-quality real-time images from remote assets within Zone 1 & 2 Hazardous areas where data and mains power connections may not be available. With ultra-low power consumption, the camera can be powered from a solar power source all year round. The camera is housed in an IP66 Ex-rated enclosure and has an integrated RF Isolator allowing antenna to be mounted inside or outside the zone with no need for mechanical co-ax cable protection.

The camera has excellent low light performance with inbuilt IR or white light illuminator for clear, crisp images in any conditions. A selection of optics and filters can be specified to suit specific applications.

Images are transferred in real time via 4G with 3G/GPRS fallback, providing robust image transfer even from areas with poor mobile coverage. Camera configuration and firmware updates can be performed remotely.

Images are sent to the MeteorCloud for secure viewing and analysis online. Options are available to integrate directly into existing customer applications.

The camera GPIO allows direct connection of local sensors like level switches and PIR sensors. The camera can send pictures at scheduled intervals and be setup to trigger automatically from local sensors to provide additional images and alerts to users and enter enhanced polling modes. The camera can also be controlled by the user from their Meteor Cloud login to send ad hoc images and trigger Enhanced Polling modes.



Camera Specification

Lens	M12 Board Mount, 3.6mm Standard (6mm, 12mm optional)
Resolution	2MP selectable up to 1600x1200
Image format	JPEG (adjustable compression)
Image storage	Internal memory card (32GB Max)
Input	Digital event triggering input
Zoom	Digital zoom 0-10 centralised
Image Transfer	FTP, email, direct to MeteorCloud secure web portal
Configuration	SMS, Email, SD Card

Physical Characteristics

Dimensions	215x100mm
Weight	4.2kg
Operating Temperature	-30 to +60° C
Housing	316L Stainless Steel
IP Rating	IP66
Cable Entry	x1 Standard M20 Threaded Hole
Ex Marking	II 2(1)G, Ex db mb [ia Ga] IIC T6 Gb

Global 4G/3G/2G Communications

Modem	LTE module supporting LTE-TDD/LTE-FDD/HSPA+/GSM/GPRS/EDGE etc.
Antenna	External N Type

Power

Operating Voltage	Un = 12 VDC
Operating Current	In = 1 A



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