



FlatMesh™



Product Data Sheet: FlatMesh 4G Camera

The FlatMesh Camera is a best in class solar powered solution for static imagery in remote or industrial areas.

It contains a monochrome digital camera which can take clear, high quality photographs day or night without the use of external illuminators.

The 4G camera connects to a Senceive EdgeHub (with FlatMesh) unit which provides power and connectivity over the cellular network (2G/3G/4G) or existing wired ethernet networks.

Key features

- Sends images on a user defined pre-set schedule. Can also be triggered automatically by the detection of sudden movement by triaxial tilt sensor nodes, or triggered by a user in Senceive WebMonitor.
- Fluid lens allows for variable focus for different site conditions, depending on the length of the site and the possible positioning of the camera
- No illuminators required for great quality nighttime shots
- Integrated temperature sensor and battery monitoring
- Waterproof to IP67

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Physical Specifications (excluding EdgeHub)

Parameter	Value
Dimensions excluding pole bracket	73 x 73 x 67 mm
Dimensions including pole bracket	73 x 73 x 170 mm
Total Mass	0.5 kg (approx.)
Housing Material	Anodised aluminium
International Protection Marking	IP67
Mounting Options	Universal 1/4" UNC thread mounting hole Mounting bracket rotation and tilt adjustment for pole mount or wall mount
Operating Temperature Range	-20°C to 55°C

Imaging Specifications

Parameter	Value
Maximum Image Resolution	3088 x 2076 pixels
Shutter Type	Rolling shutter
Image Colour	Monochrome
Exposure Time	0.013 ms to 2 mins
Lens Type	Liquid lens (variable focus)
Lens Focal Length	Nominal 9.6 mm

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Ordering Information and Accessories

Model	Description
FM3C-LTE	LTE Camera
FM3H-LTE	EdgeHub (with FlatMesh)