Mati-100

5 Megapixel HD IoT Camera

infinite

NB-IoT, LTE-M

ADS-300 ➤ SDI-12, RS-485, Analogue, Digital I/O

AERINOS
Wireless Sensors

infinite

Introduction

The Mati-100 is a battery powered 5 Megapixel IoT camera that can be connected to the

ADS-3xx NB-IoT/LTE-M RTUs.

The camera works exclusively on battery and can serve a vast field of IoT applications.

The Mati-100 has an I2C interface to connect to ADS-3xx devices. It is a high-definition camera with a low distortion M12 lens.

Data transfer is performed via MQTT and the output format is JPEG for easy inspection or post-processing using ML.

Applications

• Security and safety
• Smart City IoT camera
• AI & ML vision recognition
• Precision agriculture, bug counting/recognition, plant monitoring

Features

• High resolution of 2592 x 1944 with image enhancement
• M12 mount 3.2mm with low distortion lens
• JPEG output format
• Small form factor
• IP66 weatherproof housing for all environments
• Data transfer via MQTT

Works with any MQTT platform.
Small file size compressed JPEG <500 Kbytes
Fast transmission over NB-IoT or LTE-M.

Technical characteristics

CMOS	5 MP HD
Lens	M12 3.2mm HD (changeable)
Power supply	3.3V internal ADS-3xx
Consumption	0.8W, 200mA max
Connectivity	I2C, IP68 M8 4pin connector
Enclosure	Outdoor
Temperature	-10°C…+55°C operating
Protection	IP66
Dimensions	119 x 119 x 62 mm
Weight	0.1 kg

Ordering Information

Code	Mati-100

Setup and programming

The unit is by default configured and
there is no need for any user intervention.

Enclosure

Polycarbonate (IP66) for outdoor use.

RoHS Compliant
Directive 2002/95/EC

CE

Infinite Informatics, Ltd.
1 Valaoritou St
54626, Thessaloniki, Greece
T: +30-2310-553545
F: +30-2310-552006
E: info@indinf.gr
W: www.infinite.com.gr

Representative – authorized dealer