



Product Overview

MT9J003: 10 MP 1" CMOS Image Sensor

[For complete documentation, see the data sheet](#)

Product Description

ON Semiconductor's focus on pixel performance excellence provides the foundation for this sensor's exceptional image quality with superior color accuracy, low-light sensitivity, and low noise level. This cost-effective CMOS imaging solution enables high speed image capture capabilities, and includes variable functions, including gain, frame rate, and exposure while maintaining low power consumption.

Applications

- Industrial

Part Electrical Specifications

| Product | Compliance | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type | Pixel Size (µm) | Output Interface | Color | Package Type |
|-----------------------|------------------------|--------|------|------------|------------------|----------------|---|-----------------|------------------|--------------|--------------|
| MT9J003112STCU-DP | Pb-free Halide free | Active | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | RGB | ILCC-48 |
| MT9J003112STCU-DR | Pb-free Halide free | Active | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | RGB | ILCC-48 |
| MT9J003112STCV2-DP | Pb-free Halide free | Active | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | RGB | ILCC-48 |
| MT9J003112STCV2-TB-DP | Pb-free Halide free | NEW | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | RGB | ILCC-48 |
| MT9J003112STCV2-TB-TP | Pb-free Halide free | NEW | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | RGB | ILCC-48 |
| MT9J003112STCV2-TP | Pb-free Halide free | Active | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | RGB | ILCC-48 |
| MT9J003112STMU-DP | Pb-free Halide free | Active | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | Mono | ILCC-48 |
| MT9J003112STMV-DP | Pb-free Halide free | Active | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | Mono | ILCC-48 |
| MT9J003112STMV-DP-E | Pb-free Halide free | Active | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | RGB and Mono | ILCC-48 |
| MT9J003112STMV-TB-DP | Pb-free Halide free | NEW | CMOS | 10 | 7.5 | 1/2.3 inch | Electronic Rolling and Global Reset Release | 1.67 x 1.67 | | Mono | ILCC-48 |

For more information please contact your local sales support at www.onsemi.com

Created on: 8/5/2016