

Panasonic

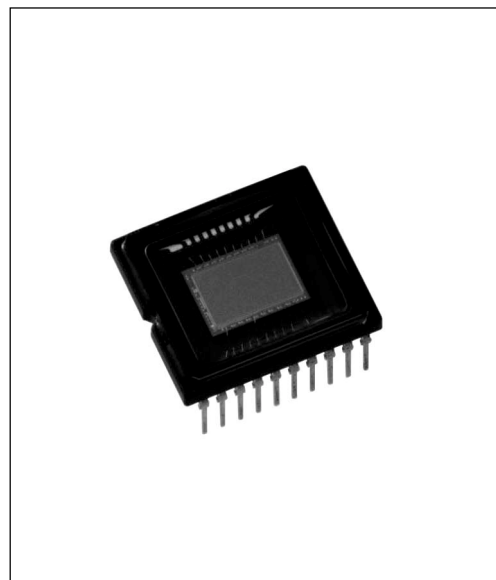
Type-1/2.6 2.31M-Pixel CCD Image Sensor (MN39471PT)

■ Overview

The MN39471PT is a super high resolution CCD image sensor which includes 2.31M pixels in type-1/2.6 image format size, suited for use in high image quality digital still cameras.

Adopting RGB Bayer pattern color filter array provides excellent color reproduction. As the aspect ratio of image area is 3 to 2, the same as that of 35-mm film, using a digital still camera with this CCD allows the user to frame photos similar to those taken using photographic film.

The MN39471PT has also a skipping readout mode for LCD monitor, allowing users to frame their photo in real time.



■ Features

- High sensitivity
- Low smear
- Low-voltage horizontal CCD operation at 3.3 V, resulting in low power consumption of a system
- High S/N ratio and wide dynamic range
- High resolution
- High-reliability 20-pin plastic package

■ Applications

- Digital still cameras
- FA and OA cameras

■ Specifications and Characteristics

Optical format size	Type-1/2.6 (6.63mm diagonal)
Total pixel count	1,901(H) × 1,212(V) = 2,304,012
Valid pixel count	1,816(H) × 1,208(V) = 2,193,728
Aspect ratio	4 : 3
Pixel size	3.2 μm(H) × 3.2 μm(V)
Sensitivity(F5.6)	G: 300 mV (typ.)
Saturation output voltage	400 mV (typ.)
Smear	-86 dB (typ.)
Package type	20-pin plastic package

The products and specification are subject to change without any notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

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