

# Panasonic

*Excellent color reproduction*

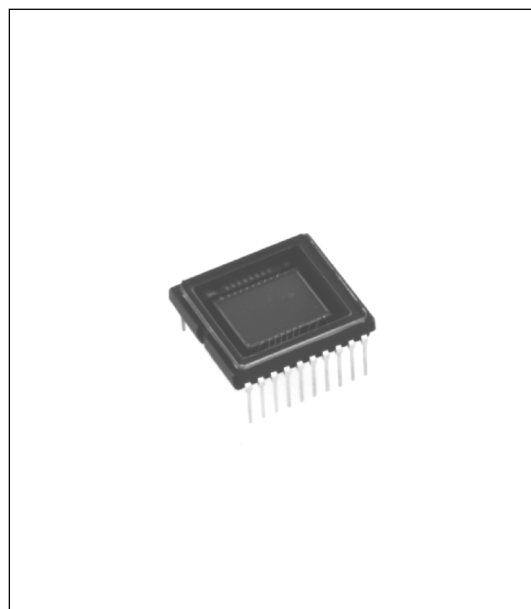
## Type-1/1.76 4.01 M-Pixel CCD Image Sensor (MN39591PT)

### ■ Overview

The MN39591PT is a type-1/1.76 4.01 M-pixel square-pixel CCD image sensor. This CCD has achieved excellent color reproduction by adopting RGB Bayer pattern color filter array and provides a 1/7-skipping mode for a monitor mode readout. Using this CCD enables compact and high-image quality Digital still cameras.

### ■ Features

- High-Sensitivity, Low-smear
- High-resolution
- 1/30-second High-Sensitivity monitor mode readout allowed
- High S/N and wide dynamic range
- Low voltage horizontal CCD operation at 3.3 V, resulting in low power consumption of a system
- High-reliability 20-pin plastic package



### ■ Applications

- Digital still camera
- FA·OA camera

### ■ Specifications and Characteristics

Optical format size	Type-1/1.76 (9.10 mm diagonal)
Total pixel count	2,358(H) × 1,700(V) = 4,008,600
Valid pixel count	2,272(H) × 1,696(V) = 3,853,312
Aspect ratio	4 : 3
Pixel size	3.25 μm (H) × 3.25 μm (V)
Sensitivity (F8, 1/7.5s)	G: 300 mV (typ.)
Saturation output signal	420 mV (typ.)
Smear	-84 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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