

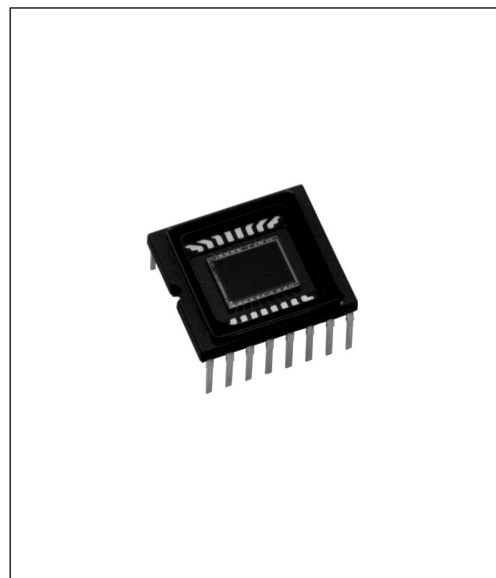
# Panasonic

## Type-1/2.72 1.33M-Pixel CCD Image Sensor (MN39742PT)

### ■ Overview

The MN39742PT is a type-1/2.72 1.33M-pixel SXGA-compliant square-pixel CCD image sensor.

This CCD has achieved excellent color reproduction by adopting RGB Bayer pattern color filter array, and provides a 1/4-skipping mode (that reduces the number of output scanning lines by 75 %) for a monitor mode readout. Using this CCD enables compact, high-image quality digital still cameras.



### ■ Feature

- Supporting SXGA
- High-Sensitivity
- High S/N ratio and wide dynamic range
- Low voltage horizontal CCD operation at 3.3 V, resulting in low power consumption of a system
- 1/60-second monitor mode readout allowed
- high resolution
- high-reliability 16-pin ceramic package

### ■ Applications

- Digital still cameras
- FA・OA cameras

### ■ Specifications and Characteristics

Optical format size	Type-1/2.72 (6.6mm diagonal)
Total pixel count	1,363(H) × 972(V) = 1,324,836
Valid pixel count	1,288(H) × 968(V) = 1,246,784
Aspect ratio	4 : 3
Pixel size	4.1 μm(H) × 4.1 μm(V)
Sensitivity(F5.6)	G : 170 mV (typ.)
Saturation output voltage	550 mV (typ.)
Smear	-80dB (typ.)
Package type	16-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.

Semiconductor Company, Matsushita Electronics Corporation