

Panasonic

Type-2/3 3.73M-Pixel CCD Image Sensor

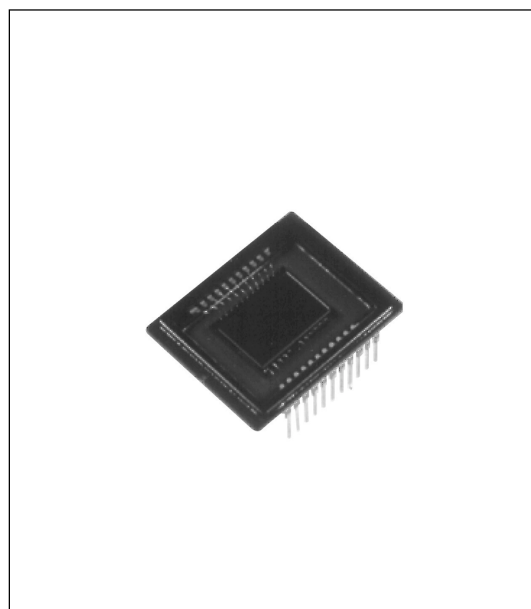
■ Overview

The MN39590PT is a (Type-2/3) 3.73M pixel CCD image sensor for high-quality digital still cameras. With an aspect ratio of 3:2 (same as 35mm film) this CCD sensor provides photo-shooting as easy as a regular film camera.

The built-in LCD monitor displays high-quality images at 30 frames per second for realtime framing. Original panasonic technology achieves a high signal-to-noise ratio and minimizes noise, assuring high-quality results even night scenes

■ Feature

- Aspect ratio of 3:2 same as 35mm silver halide film
- High-quality image display at 30 frames/second
- High signal-to-noise ratio and wide dynamic range by reading low intensity output



■ Applications

Digital still camera
FA・OA camera

■ Specifications and Characteristics

Optical format size	Type-2/3 (11.2mm diagonal)
Total pixel count	2,405(H) × 1,548(V) = 3,722,940
Valid pixel count	2,304(H) × 1,536(V) = 3,538,944
Aspect ratio	3 : 2
Scanning Method	Interlaced scan
Pixel size	4.0 μm (H) × 4.0μm (V)
Sensitivity(F8.1 : 15s)	200 mV (typ)
Saturation output voltage	550 mV (typ)
Color filter arrangement	RGB Bayer arrangement

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