

# Panasonic

*Compact & High Performance*

## Type-1/6 VGA 350K-Pixel CCD Image Sensor

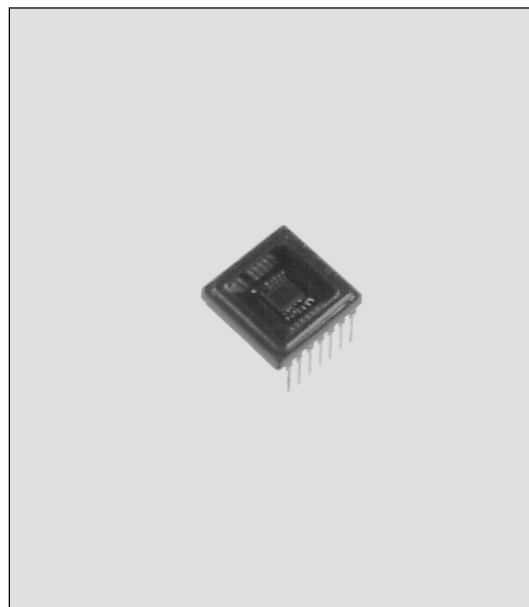
### ■ Overview

The MN39320PT/FT is a type-1/6 350K-Pixel progressive-CCD with square pixels. Progressive-scanning enables you to read out all pixel signals separately in one vertical scanning period. Square pixel is VGA capture system.

Adopting RGB Bayer arrangement in color filter array provides excellent color reproduction.

### ■ Feature

- Square-pixelphoto diode arrangement
- VGA compatible pixels (640H × 480V)
- Compact size (1/6-type image format)
- Progressive-scan structure
- Monitor mode compatible
- Newly developed small size package



### ■ Applications

Image capture system for PC (VGA compatible)

Video input method for industrial use

Video phone

### ■ Specifications and Characteristics

Optical format	Type-1/6 (3.03 mm diagonal)
Total pixel number	699(H) × 501(V) = 350,199
Effective pixel number	647(H) × 485(V) = 313,795
Pixel size	3.75 μm(H) × 3.75 μm(V)
Sensitivity(F11: 1/5s)	200 mV (typ)
Saturation output voltage	500 mV (typ)
Color filter arrangement	RGB Bayer arrangement/Complementary color mosaic
Package type	DIP 14Pin

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