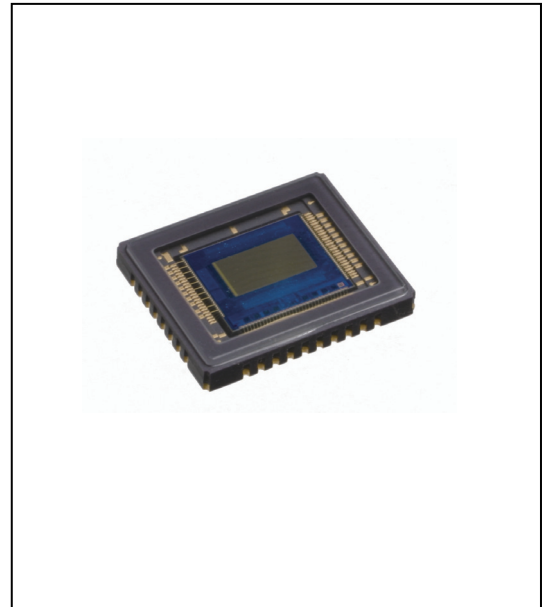


High-sensitivity and high-picture quality in dark areas

Type-1/3 2.1M High-speed vMaicovicon®(MN34041PL)

■ Overview

MN34041PL is a type-1/3 2.1 mega pixels MOS type image sensor suitable for industry cameras, security cameras and network cameras. Panasonic's original pixel process technology and ultra-low noise circuit design achieved the high-sensitivity and high-quality moving shoot (60fps, A/D 12bit output). The pixel specification is most suitable for full HD format (1080p), high-definition pictures are provided. Moreover, adopting a RGB Bayer-pattern primary color on-chip filter realizes the excellent color reproduction



■ Feature

- High-sensitivity
- High-resolution
- Type-1/3 (Diagonal 6.0mm) 2.1 mega pixels
- 2.75 μ m \times 2.75 μ m square pixel size
- Supporting full HD (60fps, A/D 12bit) output and full scan 120fps (A/D 10bits) output
- New LGA ceramic package

■ Applications

- Industry cameras/Security cameras
- Network cameras/Others

■ Specifications

Items	Specifications	Unit
Optical size (Diagonal)	Type-1/3 (6.0mm)	—
Total number of pixels	2,010 (H) \times 1,108 (V) = 2,227,080	—
Number of effective pixels / Number of active pixels	1,944(H) \times 1,092 (V) = 2,122,848 (compliant with Full HD-1080p)	—
Unit cell size	2.75 (H) \times 2.75 (V)	μ m ²
Scan mode	Progressive scan	—
Color filter alignment	Primary colors RGB Bayer-pattern	—
Sensitivity (G)	1,580 (typ.)	[LSB]
Saturation power voltage	3,800 (typ.)	[LSB]