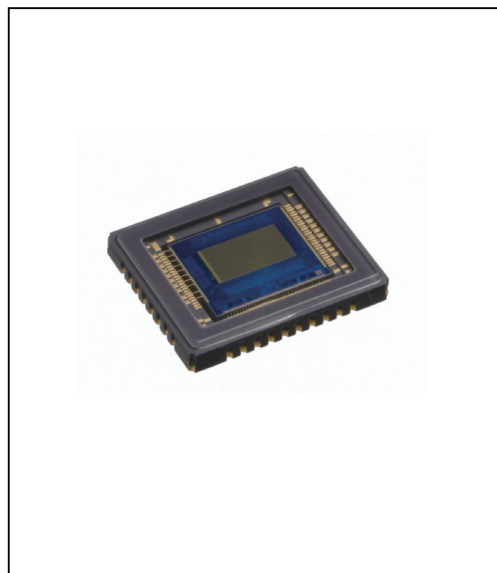


High-sensitivity and high-picture quality in dark areas

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 μm \times 2.75 μm 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) | μm^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] |

Products and specifications are subject to change without notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

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