BLACK AND WHITE CIF IMAGE SENSOR M64287U



Minutia points on a fingerprint image can be pinpointed using the Mitsubishi M64287U in a fingerprint recognition system.

Designed for High-Volume Imaging Applications – The 352 x 288 Black and White CIF Image Sensor from Mitsubishi

The M64287U black and white CMOS image sensor was designed for high-volume imaging applications requiring low cost and low power. It provides 352×288 pixels and CIF resolution. Camera functions are combined on-chip, and the M64287U also consumes less power. An on-chip analog-to-digital converter (ADC) outputs parallel digital byte data per pixel every cycle. Correlated double sampling (CDS) technology minimizes readout noise.

The Mitsubishi M64287U CMOS image sensor is suitable for various consumer electronics applications, such as a fingerprint recognition system, toy camera and security system.

M64287U Highlights

- CIF (352 x 288) resolution black and white CMOS image sensor
- On-chip 8-bit analog to digital (A-D) converter
- 8-bit digital parallel data output
- Up to 30 frames per second operation
- 5V single-supply voltage
- Low-power operation (typical 90 mW at 5V)
- Power-save mode (typical 10 mW at 5V)
- Evaluation kit available
- 36-pin ceramic LCC package with glass window

Applications

- Fingerprint Recognition System
- Toy Camera
- Security System

Device Structure

- Number of pixels: 352 (H) x 288 (V)
- Image area: 4.2 mm x 3.5 mm
- Pixel size: 12 μm x 12 μm
- Optical System: 1/3 inch format



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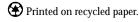
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