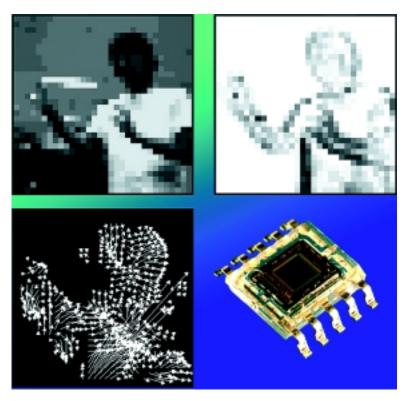
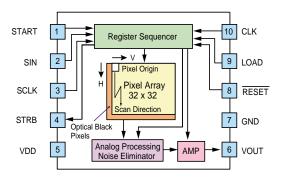
## BLACK AND WHITE CMOS IMAGE SENSOR M64285FP



Different component images of a motion estimation algorithm are captured when using a Mitsubishi M64285FP CMOS image sensor.

# Introducing the Only 32 x 32 Black and White CMOS Image Sensor with Focal Plane Processing Available Today

The M64285FP is a 32 x 32 pixel CMOS image sensor that is ideal for applications requiring image capture and processing, such as PC interface and motor-detection image-capture systems. Its advanced image information input system is highly functional, small in size, fast in speed, and low in power consumption.



## M64285FP Highlights

- Single 5V power supply
- Low power dissipation (15 mW)
- Projection processing of two dimensional (2D) images to one dimensional (1D) images (column and row projection)
- Outputs the average data of the overall image area or the central part
- Edge-extracted image output available
- Adjustable gain, output level, and data offset
- Variable data rate (4 phi to 64 phi per pixel)
- 8-bit microcomputer can be used for control purposes

## **Applications**

- Image Capture System
- Gaming
- PC Interface Systems

#### **Device Structure**

- Number of active pixels: 32 x 32
- Image area: 1.79 mm x 1.79 mm (1/6 inch, optical system)
- Pixel size: 56 μm x 56 μm
- High frame rate (maximum 5000 frames per second for projection data)



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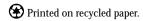
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