

EyeJ+ FB

### Features:

- Low power CMOS VGA(640x480) Image Sensor
- Embedded real time JPEG encoder.
- Parallel 8-bit Host interface for fast access.
- 2.0x1.2", 5V DC Power, Wide viewing angle Micro Lens
- C/C++ programmable and driven by TERN controller.

### Introduction

The **EyeJ™ (EJ)** color image sensor module is an affordable solution for high quality, embedded image acquisition. It is designed to be driven by TERN's C/C++ programmable controllers, like the Ethernet-Engine or FlashCore-B. The EJ integrates a VGA(640x480 pixels) CMOS color image sensor, embedded JPEG encoder, wide viewing angle micro lens, and a high speed parallel host interface.

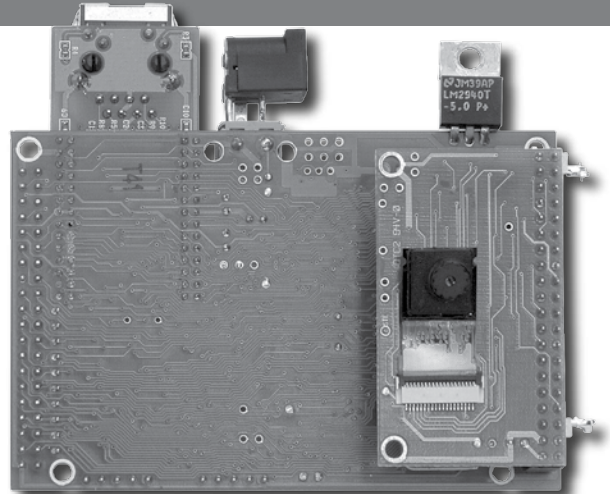
Using the embedded real-time JPEG encoder for compression greatly reduces image file size. A raw VGA color image file can be more than 300KB+, and require seconds to process and transmit. In contrast, a **real-time** compressed JPEG file can be 30KB typically. The reduced image size allows real time image transfer over RS232, Radio MODEM, USB, Ethernet, or storage into a CompactFlash card.

Variable image acquisition rates (up to 10 fps acquisition), variable image sizes (640x480, 320x240, 128x160, or 128x120), compression quality (high, medium, low), zoom, and contrast can be programmed.

When paired with the FlashCore-B, the Eye-J becomes a low-power, stand-alone, < \$80 (OEM quantities) programmable camera backed by PC-compatible FAT16 CompactFlash storage. When paired with the Ethernet-Engine, the Eye-J becomes an inexpensive remote image webserver.

### Order Information

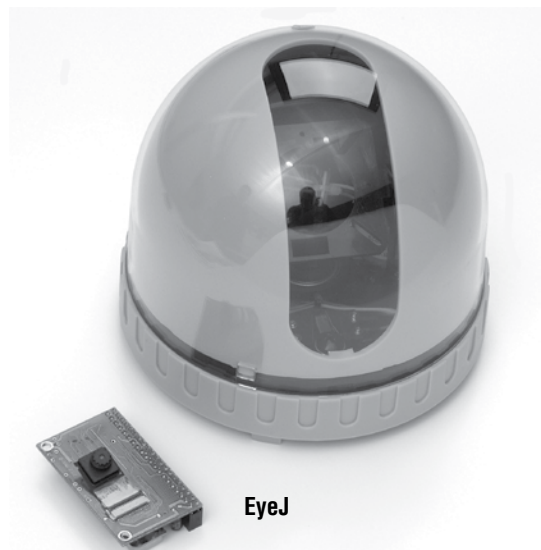
EyeJ™ \$99/\$69/\$49/\$39 Qty 1/100/1K/5K



EyeJ+EE



Sample color images acquired by EyeJ™



EyeJ