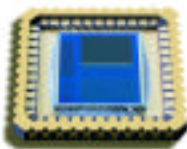


## VGA-format CMOS Camera-On-a-Chip For Multimedia Applications



PHOTOBIT sets the standard in CMOS image capture. Our patented "camera-on-a-chip" technology ensures image excellence, from photons to digital bits. Even in difficult light. Photobit is the choice of OEM leaders who demand low power usage and want fewer parts in their end products—whether they're building advanced business tools, meeting defense needs, or helping children learn. From compact formats to multi-megapixel resolutions, Photobit image sensors deliver on every promise of CMOS—simpler board designs, longer running times, greater reliability, and miniaturization.



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- VGA-format pixel array (640H x 480V)
- Robust digital interface
- Extensive programmability
- 0–39 frames per second
- On-chip TrueBit® Noise Cancellation
- Photobit TrueColor™ Image Fidelity
- 8-bit color or monochrome digital video

### PB-300

THE PHOTOBIT PB-300 is a CMOS active-pixel image sensor for high-end PC videoconferencing, small-format digital still cameras, and other multimedia applications. It outputs full-frame 8-bit digital video at up to 39 frames per second in VGA resolution (640H x 480V).

On-chip integration of camera functions and low power consumption give the sensor a significant system advantage over CCDs, while Photobits exclusive TrueBit® Noise Cancellation and TrueColor™ Image Fidelity ensure superior performance over other CMOS offerings. The PB-300 provides electronic pan, tilt and zoom; auto-exposure; and extensive programmability via a robust industry-standard digital interface. It is available in color or monochrome.

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