



TFIR-31

“OEMs and integrators love this new model, suitable and flexible for a lot of reading applications”

Leading the industry in cost-effectiveness, imaging performance and low power consumption, the TFIR-31 provides OEMs and Machine building companies with linear and two dimensional barcode scanning, signature capture and color picture-taking capabilities.

The TFIR-31 megapixel image reader system bundles an image engine, powered by Tohken's state of the art color imaging technology, with a powerful processing and communication board for best-in-class color image quality and scanning performance.

Designed for simple and easy integration, the TFIR-31 is ideal for drop-in into machines, ATM, Kiosks, or any other AIDC applications.

The safe, high power LED-based illumination removes the risks involved with lasers without sacrificing performance. The leading edge field of view provides end-users with freedom from critical alignment which increases productivity.

The TFIR-31 is available in either serial or USB 1.1 version and is capable of reading traditional 1D linear codes Stacked and 2D codes

Applications:

- * Automotive industry
- * Aerospace
- * Healthcare / Pharmaceutical
- * Electronics manufacturers
- * OEM integration

Features:

- * Built-in lighting and Optics for ease of integration
- * USB, or RS232 communication
- * Omni-directional reading (provides more freedom and ease of use to the end user from the broad reading area)
- * Integrated barcode scanning and image capture

Integrated Color Imager +

Low Power Usage +

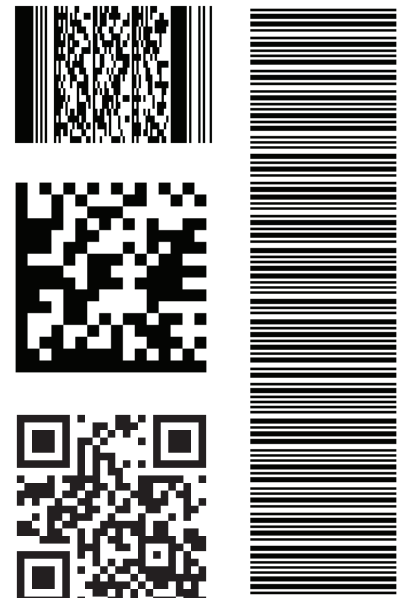
Drop In Replacement +

Easy Integration +

Industry Leading FOV +

Omni-directional +

High Durability +



Mechanical Characteristics

Dimensions	59 (H) x 58 (W) x 24 (D) (mm)
Weight	50 gr

Electrical Characteristics

Input voltage	5 V +/- 10 %
Operating current	500 mA (average)
Standby power	165 mW
Supported interfaces	RS-232C or USB 1.1

Supported Barcodes

Linear 1D codes	JAN/EAN/UPC, Code 39, JAN, I 20f5, Code 128, Code 93, Codabar/NW7, RSS 14, Composite
Stacked and 2D codes	PDF417, microPDF, Datamatrix, QR code, Maxicode.

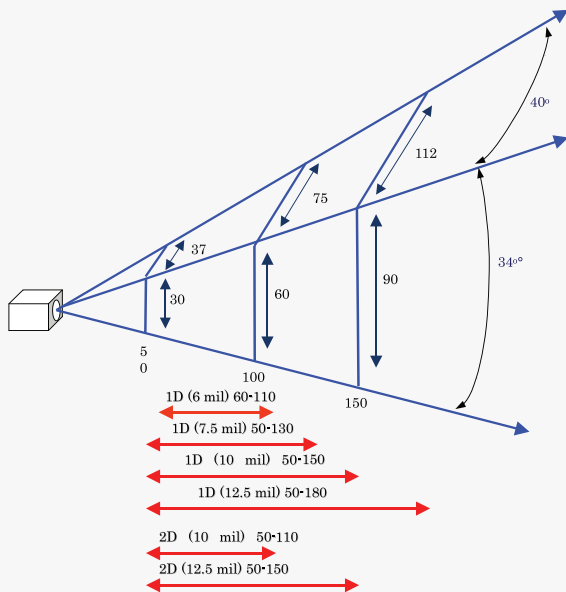
Performance Characteristics

Optical resolution	1.3 Megapixel CMOS Sensor
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Environment

Operating temperature	0 - 40 deg C
Storage temperature	-40 - 70 deg C
Humidity	0 - 80% (non-condensing)
Environmental Protection	IP62 / IP64

Regulatory Information



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