

ECONOSCAN™

Low-Cost CCD Scanner
For Bar Codes



Scans and decodes bar codes.

ID TECH's EconoScan CCD Scanner is specially designed to deliver high-end performance at the lowest possible price. The scanner utilizes exceptional decoding technology. One-time settings are easily made by scanning set-up bar codes in the handy user's manual.

Economical non-contact scanning.

For non-contact environments, or for larger bar codes, the EconoScan can scan bar codes of up to 4.7 inches in length at a distance of 4.7 inches for an economical alternative to laser scanning.

Ergonomic and lightweight

This rugged scanner contains no moving parts, yet it is exceptionally lightweight and designed to fit comfortably in the hand for extended periods of usage. The cable is detachable for easy replacement or the use of multiple interfaces.

High-speed contact scanning

The EconoScan enables quick contact scanning of bar codes up to 3.5 inches in length. At a scan rate of 150 scans per second, low-quality or damaged bar codes, as well as small or high-density bar codes, can be read with exceptional speed and accuracy.

IDT 4439 EconoScan CCD Scanner Specifications

Electrical

Light Source:	660 nm visible red LED with focus light bar.
Sensor:	2088 pixels CCD arrays.
Operating Power:	+5 VDC \pm 5%.
Power Consumption:	65 mA \pm 10 mA.

Environmental

Operating Temperature:	32° F to 122° F (0° C to 50° C).
Storage Temperature:	-4° F to 140° F (-20° C to 60° C).
Relative Humidity:	20 to 80%, non-condensing.
Drop Test:	5 feet (1.5m) to a hard surface.

Mechanical

Field Width:	120 mm (40 mil).
Depth of Field:	0-50 mm (16 mil).
Resolution:	0.1 mm (4 mil).
PCS:	0.45 minimum.
Scan Rate:	150 scans per second.
Range:	0 to 4.72 inches (0 to 120 mm) based on resolution.
Symbologies:	Code 39, UPC-A, UPC-E, Code 128, EAN-13/8, EAN 128, Interleaved 2 of 5, Codabar, ABC Codabar, Code 32, MSI, UK Plessey, IATA 2 of 5, Code 2 of 5 (China Postal Code), Industrial 2 of 5, Matrix 2 of 5, Code 93, Code 11, UCC128, ISBN, ISSN.
Interfaces:	RS-232, Keyboard Wedge, and USB.
Scan Width:	3.5 inches (89 mm) at contact. 4.72 inches (120 mm) at 4.72 inches.
Indicator:	LED (good read).
Dimensions:	Length: 7.75 inches (197mm). Width: 3.5 inches (89mm). Height: 2 inches (51mm).
Weight:	8 oz.

Decoding Specifications and Options

Message Formatting:	Terminator Character. Preamble. Postamble.
User Programmable Features:	Enable/disable individual symbologies. Min/max length set. MSI/Plessey check digit. Code 11 check digits. Beep tone. EAN country code digits send/suppress. UPC/EAN separator enable/disable. User-selectable Code ID. Trigger operation or auto scanning.
Transmission to Host Options:	Intercharacter delay select. Interblock delay select.
RS-232 Interface Option:	Baud Rate: Selectable, 300 to 57.6K bps. Data: 7, 8 Data and 1, 2 stop bits. Parity: Odd/even/none, space/mark.
Keyboard Wedge Options:	Terminal Selection: IBM AT, PS/2.

IDTECH™

Value through Innovation

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