

SCANTEAM® 3700 Series

Fixed Mount CCD Bar Code Scanner



Features

Excellent Depth of Field - Longest scan range for a fixed mount CCD. Scan width increases with distance. Focused illumination for easy aiming.

Internal Decoder with Flash Memory - Decodes up to 12 symbologies. Easy and fast firmware modifications. No "chip change" required for future product enhancements. True RS-232 or PC Wedge communications.

Compact Size - Small size provides maximum flexibility and easy integration.

Rugged Design - Long life in the field.

The Hand Held Products SCANTEAM® 3700 fixed mount CCD bar code scanner offers flexible hardware and software for easy integration into many types of equipment. Combining the rugged durability of advanced CCD technology with Hand Held Products' world class decoding software, the ST3700 provides exceptional performance in a compact form for a variety of bar code applications.

The ST3700 Series has been designed for integration into equipment that requires bar code reading capability. The ST3700 can operate as a stand-alone sensor providing bar code information as serial data, or it can be incorporated into a PC - based system as a keyboard wedge. Applications include clinical chemistry analysis, point of sale scanning, Automated Teller Machines (ATMs), light duty conveyor scanning, and PC-based custom machinery. Whatever the application, Hand Held Products' design support, strong manufacturing skills and commitment to quality make the ST3700 an excellent choice for your next integration project.

SCANTEAM® 3700 Series Specifications

Performance

Illumination:	660nm Visible Red LEDs (light emitting diodes)
Receive:	Standard or high resolution linear CCD (PC Wedge interface available in standard resolution only)
Scan Width:	2.2 in. (56 mm) at contact to maximum 3.5 in. (88 mm) at 2 in. (5.1 cm) from the scanner
Focal Distance:	Choice of 0.6 in. (1.5 cm), 1.95 in. (5.0 cm) or 3.2 in. (8.1 cm) from scanner (PC Wedge interface available in 1.95 in. focal distance only)
Resolution:	7.5 mil (.19 mm) minimum code density typical. Higher resolution configuration available
Minimum Reflectance Difference:	37.5% difference in bar to space reflectance

Mechanical/Electrical

Dimensions

Weight:	3.8 oz. (106 g)
Height:	1.1 in. (2.7 cm)
Length:	2.9 in. (7.3 cm)
Width:	3.5 in. (8.8 cm)
Housing:	Molded polycarbonate; inserts in housing for SAE (6-32) or Metric Mounting Screws (M3.5)

Power Requirements

Current Draw:	250mA maximum @ 5VDC $\pm$ 10%
Connector:	8 pin female modular

Environmental

Temperature

Operating:	32°F to 122°F (0°C to 50°C)
Storage:	-40°F to 158°F (-40°C to 70°C)
Humidity:	0% to 95% RH (maximum noncondensing)
ESD Protection:	Functional after 15KV discharge
Agency Conformance:	FCC Class B

Interface

Symbologies:	UPC; EAN; Code 3 of 9; Code 128; Interleaved 2 of 5; and Codabar
Interfaces:	True RS-232, accepts external trigger input IBM AT, XT, PS/2 PC Wedge

The ST3700 at a glance

- Unique CCD optics design for superior first-read rate
- Extremely durable
- No moving parts/No glass mirror
- Snappy - responsive, quick scanning
- Integrated decoder interface
- Flash memory-based firmware



Complies with EMC 89/336/EEC

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