SCANTEAM® 3470

Cordless CCD Scanner

Description

Cordless scanning brings a new level of flexibility and productivity to applications using automatic data collection. Similar to the impact of cordless telephones in consumer markets, the freedom of cordless scanning expands the applications for scanning bar codes by taking the scanner to the job rather than taking the job to the scanner.

The cordless SCANTEAM® 3470, designed to be easy to use, consists of the CCD scanner plus the SCANTEAM 2070 host interface base unit. The SCANTEAM 3470 is based on a strong product family background renown for high quality products. The SCANTEAM 3470HD reads high density bar codes as small as 4 mil, while the SCANTEAM 3470LR reads out to 7 inches with larger codes. The SCANTEAM 2070 host interface base is also backed by a solid reputation for highly programmable options and a broad suite of supported terminal interfaces.

Applications

The SCANTEAM 3470 cordless scanner addresses the needs of many applications. It is designed for tough industrial use, such as on loading docks, where shipping and receiving of materials requires the freedom to move around. The cordless scanner is also ideal for manufacturing applications, such as work-in-process, where safety may be an issue. Eliminating the cables prevents the cord from getting entangled in machinery and equipment, thus avoiding the chance of an accident. Other applications include interfacing to RF LAN based terminals mounted on forklift trucks, tool crib management, asset tracking, inventory control, and point-of-sale terminals.

Features / Benefits

Features	Benefits
Multiple Scanner Support	• Each base unit supports up to 9 scanners simultaneously. This increases productivity and flexibility without the added costs of additional bases and terminals.
Application Work Groups	• Supports up to 9 application work groups on a single base. This extremely powerful feature increases the number of jobs supported by a terminal, and allows you to easily adjust to changing workloads.
Broad Range Coverage	• Scanner coverage of up to 7850 square feet (730 square meters) in open air environments increases mobility and productivity by allowing the scanner to be taken to the job, rather than taking the job to the scanner.
Eliminates Cables	• Improves safety conditions by avoiding accidents and injury as a result of cables becoming entangled in equipment and machinery.
Unique Battery Design	• Removable batteries that are recharged by plugging into a simple 120 volt wall outlet, and operate through the entire work day.
Rugged Design	• Water & dust resistant to IP-54 rating.
State of the Art Radio Technology	• Robust license-free system delivers reliable and snappy, error-free communication.

Specifications: SCANTEAM 3470

Optical Performance

Illumination: 660 nm Visible Red LED
Receiving Device: High Resolution Linear CCD

Reading Distance

	4 mil.	7.5 mil.	13 mil.	20 mil.
HD	.9 - 1.7 in. (2.3 - 4.3cm)	.4 - 2.2 in. (1 - 5.6cm)	0 - 2.7 in. (0 - 6.9cm)	0 - 2.9 in. (0 - 7.4cm)
LR	- - - - - -	3.2 - 4.6 in. (8.1 - 11.7cm)	1.7 - 6 in. (4.3 - 15.2cm)	0 - 7 in. (0 - 17.8cm)

Min. Reflective Difference: 37.5%
Scan Rate: 112 scans per second

Mechanical/Electrical

Dimensions	3470 Scanner	2070 Base
Weight:	16 oz. (450 g) w/battery	7.25 oz. (206 g) w/o cable
Height:	8.3 in. (21 cm)	1.4 in. (3.6 cm)
Power Requirements		
Input Voltage:	4.2 to 6 VDC	4 to 14 VDC
Current Draw		
Operating: (Idle Modes available)	210 mA (typical) while scanning 400 mA (max)@ 4.8V	325mA(typical)@5VDC
Standby:	21 mA	NA

Environmental

Sealing:	IP 54 (Water and Dust Resistant)	IP 53 (Water and Dust Resistant)
Temperature		
Operating:	32° to 122°F (0° to 50°C)	-4 to 122°F (-20° to 50°C)
Storage:	-22° to 158°F (-30° to 70°C)	-40° to 158°F(-40° to 70°C)
Humidity:	0 to 95%, non condensing	0 to 95%, non condensing
Mechanical Shock:	Functional after 26 drops from 6ft. (1.8 m)	Functional after 26 drops from 4ft. (1.2 m)
Ambient Illumination:	0-100,000 lux	NA

ESD Protection: Functional after 15 kV discharge

Radio
Frequency: 2.4 to 2.4835 Ghz (ISM Band) Frequency Hopping Carrier
Data Rates: 1 Mbps

Battery

Nickel Metal Hydride

Input Voltage: 120 V/240 V   50/60HZ
Capacity: 1200 mAh
Number of Scans: 18,000
Expected Hours of Operation: 25 hours
Charge Time at 120 Vac: 8 hours for 800 mA/h

Interface

Symbologies Supported: Codabar, Code 39, Code 128, ISBT 128, UPC/UPC-E, EAN/JAN, Code 2 of 5, Interleaved 2 of 5, Code 93, Code 11, ISBN, Telepen.

Agency Conformance:

Electromagnetic Emissions/Immunity	Safety	RF Approvals
USA: FCC Part 15, Class B	**USA:** UL listed, C22.2 No 950/UL 1950	**USA:** FCC Part 15.249
Canada: SOR 88/475 Class B	**Canada:** cUL Listed	**Canada:** RSS 210
Europe: EN 55022 (CISPR22) Class B, EN 61000-3-2 & -3, ETS 300 826	**Europe:** TUV Rheinland GS Licensed EN 60950 (IEC950)	**Europe:** ETS 300 328
Other: EMC 89/336/EEC, EN 50082-1:1992, IEC 801-2:1991, IEC 801-3:1984, IEC 801-4:1988	**Mexico:** NYCE certified, NOM 19	**Mexico:** NOM-EM-121-SCT1-1994
	Australia: AS/NZS 3548 ⊂N344	**Singapore:** Type Approval for Spread Spectrum System

Due to Welch Allyn's continuing product improvement programs, specifications and features herein are subject to change without notice.

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