



SCANPLUS® 1800 VISTA SCANNER

Product Profile

- Exceptional reading performances: very fast, for contact and non contact applications (up to 49.2 cm/19.4")
- Read long, damaged, poorly printed barcodes and extremely small bar widths (0.05mm, (2mils))
- Long life time and high reliability
- Light weight, bright and sharp scan line for easy use
- Harmless illumination for a safer working environment
- Cost efficient for contact and non-contact scanning

Combining the benefits of CCD & Laser technologies, the ScanPlus 1800 Vista is the ultimate user's choice. New Intermec developments in decoding and scanning resulted in:

Unique reading performances

The S1800VT succeeds in reading barcodes at 49.2 cm (19.4") distance with a scan rate of up to 225 scan/sec. Snappy response and easy aiming makes it very comfortable to use.

Also, it can read any type of codes, whether they are poorly printed, damaged, 18cm (7") long, or if they incorporate code 39 with a barcode width of 0.05mm/0.2mil (unique in the market place). It is operational in any lighting conditions, from total darkness to full exposition to sun light (100,000 lux).

Comfortable to use

The S1800VT inherits the ergonomics and light shape of the ScanPlus 1800 family. Aiming is very easy thanks to the sharp and bright scanning line (specific LED system).

Reliability

The S1800VT incorporates no moving parts. For this reason, it has a longer life than any laser scanner. It withstands

multiple drops to concrete from 1m (3.2') and can be used in a wide temperature range.

Flexibility

ScanPlus 1800 Vista is compatible for contact and non contact applications. Also, it is compatible with more than 400 host interfaces, including OLEpos and USB. All standard 1D symbologies are available, as well as PDF 417. Future upgrades or special applications are easily implemented using flash memory.

Safe to use

Laser scanners can be harmful if the user looks accidentally into the beam. For ScanPlus 1800 Vista, the illumination is produced by LEDs that are absolutely safe for the user.

Cost efficient solution

Unique reading performances, snappy, extended reading distance, reliability, flexibility, safety, ergonomics, easy set up... All these benefits gathered at an extremely competitive price. In fact, the S1800VT is the answer for most of the applications and for all budgets.

As any member of the ScanPlus 1800 range, the S1800 VT is compatible with EasySet™ set up software for the fastest on line or off line configuration.

General Description

A high performance and compact CCD handheld scanner for non-contact applications. Designed for Retail, Health Care, Office & light Industrial environments.

Scanning Performances

Scanrate: S1800 VT: 225scan/s

Min. x dimension: down to 0.05mm (2 mil) (Intermec decoding technology)

Depth of field : from 0cm to 49.2cm (19.4")

Bar width		Max. distance*		Max. distance on code 39**	
mm	mil	cm	inch	cm	inch
0.1	4	16.2	6.4	23.0	9.0
0.2	8	23.0	9.0	26.4	10.4
0.3	12	26.2	10.3	36.0	14.17
0.5	20	34.5	13.6	49.2	19.4
1	40	49.2	19.4	49.2	19.4

* From scan-engine

** Advanced Intermec decoding technology used

Bar code width: up to 18cm (7") on 0.3mm/12mil resolution code

Print Contrast: down to 25%

Scan Angle: 48°

Skew: +- 35°

Pitch: +- 35°

Bar Codes Supported

UPC (E&A); EAN; Code 39; Interleaved Matrix, Industrial & Standard 2 of 5; Code 128, UCC EAN 128, Codabar, Code 93, ISBN, MSI, Plessey, Telepen

Host Interfaces

USB, OLEpos, Wand & Laser emulation, single/dual RS232, IBM 46xx, OCIA, HP700/xx, PC AT/PS2 wedge to over 400 terminals & PC. Extensive interface information on application.

Operator Feedback

Green good read LED. Adjustable beeper.

Design Features

Processor: Custom chip (ASIC inc. DSP processor) for fast signal processing and decoding. Flash memory.

Optics: 645 nm visible red Top LED.

Bright & sharp scanning line.

Environmental Characteristics

Operating Temperature:

0 – 50°C (32 – 122°F)

Storage Temperature:

-25 – 70°C (-11 – 160°F)

Relative humidity: 5% to 95%

(non condensing)

Shock: withstands multiple 1m (3.2')

drops to concrete

Ambient illumination: works in any

lighting condition, from 0 to 100,000 lux.

Electrical Characteristics

S1800 VT: 140mA (average) and 40mA (stand by)

Physical Characteristics

Length: 180mm (7")

Width at handle: 33mm (1.3")

Width at head: 64mm (2.5")

Standard cable: 1.8m (70")

Weight without cable: 140g

Case: High-impact ABS self-extinguishing plastic. Rubber end cap and boot.

Special Features

Firmware updates via flash memory, programmable data format (code identification, preambles & postambles, intercharacters & intermessage delays, variable time-out, and many others).

Configuration

Fast & easy set up with EasySet™ Windows software

Accessories

Desk/vertical holder

Raised hands-free stand (option)

Regulatory Approvals

UL Listed, TÜV-GS, NOM certified.

Complies with FCC rules part 15, CE mark, Australian C-TIC, Canadian ICES 003.

North America

Corporate Headquarters
6001 36th Avenue West
Everett, Washington 98203
tel: 425.348.2600
fax: 425.355.9551

Systems & Solutions

550 2nd Street S.E.
Cedar Rapids, Iowa 52401
tel: 319.369.3100
fax: 319.369.3453

Media Supplies
9290 Le Saint Drive
Fairfield, Ohio 45014
tel: 513.874.5882
fax: 513.874.8487

Europe/ Middle East & Africa

Headquarters
Sovereign House
Vastern Road
Reading, Berkshire RG1 8BT
United Kingdom
tel: +44.118.987.9400
fax: +44.118.987.9401

Gothenburg
Idrottsvägen 10
P.O. Box 123
SE-431 22 Mölndal
Sweden
tel: +46.31.869500
fax: +46.31.869595

Asia/ Latin America

Hong Kong
26-12 Shell Tower
Times Square
1 Matheson Street
Causeway Bay
Hong Kong
tel: 852.2574.9777
fax: 852.2574.9725

Singapore
25-16 International Plaza
10 Anson Road, 079903
tel: 65.324.8391
fax: 65.324.8393

Australia
Level 7, 200 Pacific Highway
Crows Nest NSW 2065
Australia
tel: 61.2.9901.2065
fax: 61.2.9954.6300

South America and Mexico
17921 B Skypark Circle
Irvine, California 92614
tel: 949.442.9393
fax: 949.757.1687

Worldwide Fax Document Retrieval Service

800.755.5505
(North America Only)
tel: 650.556.8447

Internet

www.intermec.com

Sales

800.347.2636
(toll free in N.A.)
tel: 425.348.2726

Service and Support

800.755.5505
(toll free in N.A.)
tel: 425.356.1799

Copyright © 2001 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 609058-01B 10/01

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.