IMAGETEAM™ 5600
Retail/Commercial Hand Held Linear Imager

Features

Superior Read Range - Imaging technology now extends the read range out to 24 inches (61 cm) on the bar codes used in retail applications.

Fast and Aggressive Decode - Even on poorly printed or damaged codes, the 270 scans per second scan rate and software digitizer quickly processes the data and transmits it to your application.

Durable - Built to last, there are no moving parts to wear out. Full impact resistant bumpers and a 5 year warranty make the IT5600SR one of the toughest scanners on the market.

Reads Emerging Codes that will be Part of Tomorrow's Solutions – The IT5600 supports the EAN·UCC system, including GTIN, EAN/UCC-14, and RSS.

Connectivity – The IT5600 supports all common interfaces: keyboard wedge, TTL RS-232, IBM retail, USB, wand emulation, HHLC, and True RS-232.

Sunrise 2005 Compliant!

HHP's exclusive imaging technology provides breakthrough performance in the new IMAGETEAM™ (IT)5600 linear imager. The IT5600 is the most powerful linear imager ever produced. It excels at read range, reading poor quality bar codes, and is extremely durable. These features will make your data acquisition successful, and lower your total cost of ownership.

Many of today's applications benefit from greater reading range. With so many of today's packages too large for easy lifting, operators reach and stretch to read bar codes that are out of range. The IT5600's class-leading 24 inch (61cm) read range on 13 mil bar codes can greatly reduce these serious and costly application problems.

Poor quality bar codes are caused by printing irregularities or damage. They exist in most every application and, because most scanners struggle to read these bar codes, or simply cannot read them, they end up being manually entered. Manual entry increases data collection costs and introduces costly errors that must be traced and corrected.

Part of the IT5600's breakthrough performance is due to a new software digitizer. This design approach has enabled HHP to apply 30 years of experience in reading bar codes to solving the problem of reading poor quality bar codes. As a result, the IT5600's outstanding performance reading poor quality bar codes eliminates the costs associated with manual entry. Improve your operating efficiency by using the IT5600 to read bar codes that others pass by.

The IT5600 comes with a 5 year warranty. Shock-absorbing rubber contact surfaces and a Lexan® housing ensure this device will survive 50, 6 foot (1.8 m) drops to concrete. Retail and commercial applications can be tough environments. The IT5600 is up to the task because it is built to last.

To learn how the IT5600 can work for you, contact us at any of the locations listed on the back or visit us at www.hhp.com.

Upgrade your image.

Performance

Illumination:	630 NM Visible Red LED
Receiving Device:	3648 element linear imager
Reading Distance:	From 1 in. (2.5 cm) to 24 in. (61 cm) on medium density codes
Reading Width:	7.5 mil code: 7 in. (18 cm) from nose, 6.6 in. (17 cm) wide
	13 mil code: 16.5 in. (42 cm) from nose, 10 in. (25 cm) wide
Resolution:	5 mil. at 5 in. (13 cm) distance
Skew Angle:	$\pm65^\circ$
Pitch Angle:	$\pm65^\circ$
Horizontal Velocity:	2 in. (5 cm) per second
Minimum Symbol Contrast:	20%
Scan Rate:	Up to 270 scans per second
Decode Rate:	270 decodes per second

Reading Ranges for the IT5600

Narrow Width	Depth of Field
7.5 mil	4 - 14 in. (10 - 36 cm)
10 mil (80% UPC)	2 - 18 in. (5 - 46 cm)
13 mil (100% UPC)	1 - 24 in. (2.5 - 61 cm)
20 mil	1 - 36 in. (2.5 - 91 cm)

Mechanical/Electrical

Dimensions

Length:	5.3 in. (13.5 cm)
Height	6.2 in. (15.7 cm)
Width:	3.2 in. (8.1 cm)
Weight:	6.5 oz. (184.3 g)
Housing:	UL 94V0 grade
Power Requirements:	4.5 - 12Vdc at scanner

Current Draw (Typical):

Input	Scanning	Idle
5 V	235mA	65mA
12 V	127mA	45mA

Power Supply

Noise Rejection:	Maximum 100mV peak to peak, 10 to 100 kHz

Environmental

Temperature

Operating:	+32°F to +122°F (0°C to +50°C)
Storage:	-40°F to 140°F (-40°C to +60°C)
Humidity:	0 to 95%, non-condensing
Mechanical Shock:	Operational after 50 drops from 6 ft. (1.8 m) to concrete
Ambient Illumination:	0 - 70,000 lux
ESD Protection:	Functional after 15kV discharge
Vibration:	Withstands 5G peak from 22 to 300 Hz
Agency:	FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, UL, cUL listed, TÜV
MTBF:	per MIL-HDBK-217F Ground Benign exceeds 100,000 hours
Symbologies:	Codabar, Code 3 of 9 including PARAF, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, Code 11, Code 93, Code 128, UPC, EAN/JAN, China Postal Code, RSS. Sunrise 2005/GTIN compliant.
Interfaces:	All popular PCs and terminals via keyboard wedge, keyboard replacement/direct connect, USB, TTL level RS-232, wand emulation mode, TTL level Serial Wedge, and IBM 46XX retail terminals.
	HHLC non decoded laser output in 5600SR000 model.
	True RS-232 in 5600SR030 model.
Warranty:	Five year factory warranty.