

IMAGETEAM™ 4600PDF

Commercial/Retail Area Imager



Features

Omni-directional reading of 1D, PDF417, MicroPDF417, and EAN•UCC Composite codes for the easiest ever data collection.

Image Capture - Class-leading image quality and image transfer speed provide crisp images in less than one second.

Built to Last - Durable, with no moving parts. Best-in-class 3 year warranty.

Connectivity – The most popular interfaces in one model. Uses the standard Hand Held Products cable set.

IQ Editing Pro™ - Provides easy integration into existing applications, without expensive host software changes.

The IMAGETEAM™ 4600PDF area imager from Hand Held Products combines the versatility of area imaging with the speed and cost of linear scanning for demanding retail and commercial applications. Powered by Adaptus™ imaging, the IT4600PDF is full featured, fast, and cost effective.

Current and future applications will involve much more than linear bar codes. EAN•UCC Composite bar codes are beginning to appear in food stores, while PDF417 bar codes are used for age verification in restricted item sales. The omnidirectional reading capability of the IT4600PDF allows fast and easy reading of all these bar codes. Simply point and shoot. There's no need to align a scan line, or wait for a raster beam to open up.

Whether capturing a signature as proof of delivery, taking a picture for identification, or electronic data storage, image capture is a mainstream requirement and an important part of current and future solutions. The Adaptus powered IT4600PDF is equipped with Hand Held Products' fourth generation imaging for best-in-class image quality and image transfer speed, all at very economical prices.

With no moving parts, the IT4600PDF is as durable as it is versatile. Hand Held Products has a reputation for products that are tough as nails. The IT4600PDF is no exception, and will provide years of service at a low cost.

To learn how the IT4600PDF can work for you, contact us at any of the locations listed on the back or visit us at www.handheld.com.

IMAGETEAM™ 4600PDF Specifications

Performance

Aiming:					
Illumination LEDs	626nm ±30nm				
Aiming LEDs	626nm ±30nm				
Image:	VGA, 640x480. Binary, TIFF, or JPEG output.				
Working Range:					
IT4600PDF SR	8 mil Linear (.020cm)	10 mil PDF417 (.025cm)	13 mil UPC (.033cm)	15 mil Linear (.038cm)	6.6 mil PDF417 (.017cm)
Near	2.9 in. (7.4cm)	2.5 in. (6.4cm)	1.9 in. (4.8cm)	1.5 in. (3.8cm)	3.9 in. (9.9cm)
Far	7 in. (17.8cm)	8.4 in. (21.3cm)	11.9 in. (30.2cm)	12.2 in. (31cm)	5.7 in. (14.5cm)
Skew Angle:	±40°				
Pitch Angle:	±40°				
Horizontal Velocity:	2 in. (5 cm) per second				

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:	6.2 oz. (173.6 g)		
Housing:	UL 94V0 grade		
Power Requirements:	4.5 - 12Vdc at scanner		
Current Draw (Typical)			
	<u>Input</u>	<u>Scanning</u>	<u>Idle</u>
	5 V	310mA	<40mA
	12 V	130mA	<35mA

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 Light:	Total darkness to 100,00 lux (full sunlight)
ESD Protection:	Functional after 100 15kV discharges
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 85,000 hours

Symbologies

2 Dimensional:	PDF417, MicroPDF417, Code 49, EAN-UCC Composite
Linear:	Code 39, Code 128, Codabar, UPC, EAN, Interleaved 2 of 5, RSS, Code 93, Codablock, BC 412* *available to licensed users
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 4600SR000 model. True RS-232 in 4600SR030 model.
Warranty:	Three year factory warranty.

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