

## **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 HHP cable set.*

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

The IMAGETEAM™ 4600PDF area imager from HHP 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 HHP's 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. HHP 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.hhp.com](http://www.hhp.com).

**Upgrade your image.**



# IMAGETEAM™ 4600PDF Specifications

## Performance

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

## Mechanical/Electrical

<b>Dimensions</b>	
<b>Length:</b>	5.3 in. (13.5 cm)
<b>Height</b>	6.2 in. (15.7 cm)
<b>Width:</b>	3.2 in. (8.1 cm)
<b>Weight:</b>	6.2 oz. (173.6 g)
<b>Housing:</b>	UL 94V0 grade
<b>Power Requirements:</b>	4.5 - 12Vdc at scanner
<b>Current Draw (Typical)</b>	
	<b>Input</b> <b>Scanning</b> <b>Idle</b>
	5 V          310mA          <40mA
	12 V         130mA         <35mA

## Power Supply

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

## Environmental

<b>Temperature</b>	
<b>Operating:</b>	+32°F to +122°F (0°C to +50°C)
<b>Storage:</b>	-40°F to 140°F (-40°C to +60°C)
<b>Humidity:</b>	0 to 95%, non-condensing
<b>Mechanical Shock:</b>	Operational after 50 drops from 6 ft. (1.8 m) to concrete
<b>Ambient Light:</b>	Total darkness to 100,00 lux (full sunlight)
<b>ESD Protection:</b>	Functional after 100 15kV discharges
<b>Vibration:</b>	Withstands 5G peak from 22 to 300 Hz
<b>Agency:</b>	FCC Class B, CE EMC Class B, CE Low Voltage Directive, IEC60825-1 LED Safety: Class 1, UL, cUL listed, TÜV
<b>MTBF:</b>	per MIL-HDBK-217F Ground Benign exceeds 85,000 hours

## Symbologies

<b>2 Dimensional:</b>	PDF417, MicroPDF417, Code 49, EAN-UCC Composite
<b>Linear:</b>	Code 39, Code 128, Codabar, UPC, EAN, I 2of5, RSS, Code 93, Codablock, BC 412* *available to licensed users
<b>Interfaces:</b>	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.
<b>Warranty:</b>	Three year factory warranty.

## Worldwide Offices

**Offices Serving North America**  
Skaneateles Falls, NY  
Tel: +1 315 685 8945  
or, in North America: +1 800 582 4263  
sales@hhp.com  
Charlotte, NC  
Tel: +1 704 998 3998  
or, in North America: +1 800 582 4263  
sales@hhp.com

**Offices Serving Europe, Middle East, and Africa**  
*Europe*  
Tel: +31 (0) 40 29 01 600  
euro\_sales@hhp.com  
*United Kingdom*  
Tel: +44 (0) 1 925 240055  
euro\_sales@hhp.com  
*Italy*  
Tel: +39 (0) 2 67 100752  
euro\_sales@hhp.com

*France*  
Tel: +33 (0) 1 41 158220  
euro\_sales@hhp.com  
*Germany*  
Tel: +49 (0) 7 477 151377  
euro\_sales@hhp.com  
*Spain*  
Tel: +34 93 228 78 68  
euro\_sales@hhp.com

**Offices Serving Asia and the Pacific Rim**  
*Hong Kong*  
Tel: +852 2511 3050  
asia\_sales@hhp.com  
*Japan*  
Tel: +813 5842 6325  
asia\_sales@hhp.com

**Offices Serving Latin America**  
*Naples, Florida*  
Tel: +1 239 263 7600  
la-sales@hhp.com  
*São Paulo*  
Tel: +55 11 5016 3454  
la-sales@hhp.com  
*Rio De Janeiro*  
Tel: +55 21 2494 7060  
la-sales@hhp.com

Web Site Address [www.hhp.com](http://www.hhp.com)

Hand Held Products, Inc. d/b/a HHP ("HHP") © 1999-2003. All rights reserved. Printed in the U.S.A.

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