

## **IMAGETEAM™ 4600 SR/SF** *Commercial/Retail Area Imager*



### **Features**

*Omni-directional reading of 1D, PDF417, MicroPDF417, Postal, Matrix, and EAN•UCC Composite codes, and OCR fonts 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. Backed by an industry leading 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.*

*Intelligent Aiming Options - Distinctive green aimer provides superior illumination contrast and the familiar laser aimer makes image capture applications fast and intuitive.*

The IMAGETEAM™ 4600 SR/SF area imager from HHP combines the versatility of area imaging with the speed and cost of linear scanning for retail and commercial applications. Powered by Adaptus™ Imaging Technology, the IT4600 SR/SF is full featured, fast, and cost effective.

Current and future retail and commercial applications will involve much more than linear bar codes. EAN•UCC composite codes are beginning to appear in food stores; PDF codes are used for age verification in restricted item sales; and postal bar codes are used to sort mail. The omni-directional reading capability of the IT4600 SR/SF allows fast and easy reading of all these 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 an important part of current and future solutions. The IT4600 SR/SF is equipped with HHP's fourth generation imaging for best-in-class image quality and image transfer speed, all at very economical prices. Image capture has become a mainstream application requirement. Trust HHP to provide the industry's best imaging.

With no moving parts, the IT4600 SR/SF is as durable as it is versatile. HHP has a reputation for products that are tough as nails. The IT4600 SR/SF is no exception, and will provide years of service at a low cost.

To learn how the IT4600 SR/SF 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™ 4600 SR/SF Specifications

## Performance

<b>Aiming:</b>							
Red Laser Aimer:	756nm ±40nm						
Green LED Aimer:	520nm ±30nm						
<b>Image:</b>		VGA, 640x480. Binary, TIFF, or JPEG output.					
<b>Working Range:</b>							
<b>IT4600 SR</b>	<b>8 mil Linear (.020cm)</b>	<b>13 mil UPC (.033cm)</b>	<b>6.6 mil PDF417 (.017cm)</b>	<b>10 mil PDF417 (.025cm)</b>	<b>15 mil Data Matrix (.038cm)</b>	<b>35 mil MaxiCode (.089cm)</b>	
Near	2.9 in. (7.4cm)	1.9 in. (4.8cm)	3.9 in. (9.9cm)	2.5 in. (6.4cm)	3.1 in. (7.9cm)	1.4 in. (3.6 cm)	
Far	7 in. (17.8cm)	11.9 in. (30.2cm)	5.7 in. (14.5cm)	8.4 in. (21.3cm)	5.9 in. (15cm)	12.4 in. (31.5cm)	
<b>IT4600 SF</b>	<b>7.5 mil Linear (.019cm)</b>	<b>13 mil UPC (.033cm)</b>	<b>6.6 mil PDF417 (.017cm)</b>	<b>10 mil PDF417 (.025cm)</b>	<b>10 mil Data Matrix (.025cm)</b>	<b>10 mil QR Code (.025cm)</b>	
Near	1.9 in. (4.8cm)	1.7 in. (4.3cm)	2.2 in. (5.6cm)	1.4 in. (3.6cm)	1.7 in. (4.3cm)	1.7 in. (4.3 cm)	
Far	5.9 in. (15cm)	8.3 in. (21.1cm)	5.4 in. (13.7cm)	7 in. (17.8cm)	5.4 in. (13.7cm)	5.4 in. (13.7cm)	
<b>Skew Angle:</b>		±40°					
<b>Pitch Angle:</b>		±40°					
<b>Horizontal Velocity:</b>		2 in. (5 cm) per second					

## Mechanical/Electrical

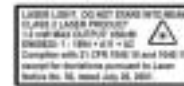
<b>Dimensions</b>			
Length:	5.3 in. (13.5 cm)		
Height:	6.2 in. (15.7 cm)		
Width:	3.2 in. (8.1 cm)		
Weight:	6.5 oz. (184.3 g)		
<b>Housing:</b>		UL 94V0 grade	
<b>Power Requirements:</b>		4.5 - 12Vdc at scanner	
<b>Current Draw (Typical)</b>		<u>Input</u>	<u>Scanning</u> <u>Idle</u>
<b>Green LED Aimer:</b>		5 V	382mA 53mA
		12 V	157mA 44mA
<b>Red Laser Aimer:</b>		5 V	372mA 53mA
		12 V	157mA 44mA

## Power Supply

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

## Environmental

<b>Temperature</b>			
Operating:	+32°F to +122°F (0°C to +50°C)		
Storage:	-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>		535 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>Laser Classification</b>			
<b>Laser Aimer Model only:</b>		Class 2 under 21 CFR 1040.10 and 1040.11 1mW max output, 650 nm, EN60825-1: 1994+A11+A2 per MIL-HDBK-217F Ground Benign exceeds 85,000 hours	



## Symbologies

<b>2 Dimensional:</b>	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN•UCC Composite
<b>Linear:</b>	Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS, Codablock, and BC412* <i>*available to licensed users</i>
<b>Postal:</b>	Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands) Post
<b>OCR Fonts:</b>	OCR-A, OCR-B
<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>	5 year warranty



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