IMAGETEAM™ 4600 SR/SF
Commercial/Retail Area Imager

HHP

powered by
Adaptus™
imaging technology

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, 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 Adaptus powered 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**.

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. 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.

New Bright Aimer - Distinctive green aimer provides superior contrast, ensuring exceptional point and shoot performance.

Upgrade your image.

IMAGETEAM™ 4600 SR/SF Specifications

Performance

Aiming:

Red Illumination LEDs	626nm ±30nm
Green Aiming LEDs	520nm ±30nm

Image: VGA, 640x480. Binary, TIFF, or JPEG output.

Working Range:

IT4600 SR	8 mil Linear (.020cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	15 mil Data Matrix (.038cm)	35 mil MaxiCode (.089cm)
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)

IT4600 SF	7.5 mil Linear (.019cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	10 mil Data Matrix (.025cm)	10 mil QR Code (.025cm)
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)

Skew Angle: ±40º

Pitch Angle: ±40º

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:	6.5 oz. (184.3 g)

Housing: UL 94V0 grade

Power Requirements: 4.5 - 12Vdc at scanner

Current Draw (Typical)

	Input	Scanning	Idle
	5 V	310mA	<40mA
	12 V	130mA	<35mA

Power Supply

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

Environmental

Temperature

Operating:	+32ºF to +122ºF (0ºC to +50ºC)
Storage:	-40ºF to 140ºF (-40ºC to +60ºC)

Humidity: 0 to 95%, non-condensing

Mechanical Shock: Operational after 50 drops from 6 ft. (1.8 m) to concrete

Ambient Light: 535 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, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesas, Code 49, and EAN•UCC Composite

Linear: Codabar, Code 39, Interleaved 2 of 5, Code 93, Code 128, UPC, EAN, RSS, Codablock, and BC412*
*available to licensed users

Postal: Postnet, Planet Code, British Post, Canadian Post, Japanese Post, KIX (Netherlands Post)

OCR Fonts: OCR-A, OCR-B

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.