IMAGETEAM™ 4600PDF
Commercial/Retail Area Imager

powered by
Adaptus™
imaging technology

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**.

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.

Upgrade your image.

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: ±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: 6.2 oz. (173.6 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: 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, I 2of5, 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.

g product improvement programs, specifications and features herein are subject to change without notice.