

## **IMAGETEAM™ 46002D**

### *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. 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™ 46002D 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 IT46002D 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. Postal bar codes are used to sort mail. The omnidirectional reading capability of the IT46002D 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 IT46002D 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 IT46002D is as durable as it is versatile. HHP has a reputation for products that are tough as nails. The IT46002D is no exception, and will provide years of service at a low cost.

To learn how the IT46002D 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™ 46002D Specifications

## Performance

### Aiming:

illumination LEDs 626nm ±30nm

Aiming LEDs 626nm ±30nm

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

### Working Range: IT46002D SR

	8 mil Linear (.020cm)	10 mil PDF417 (.025cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	15 mil Data Matrix (.038cm)	36 mil MaxiCode (.089cm)
Near	2.9 in. (7.4cm)	2.5 in. (6.4cm)	1.9 in. (4.8cm)	3.9 in. (9.9cm)	3.1 in. (7.9cm)	1.4 in. (3.6 cm)
Far	7 in. (17.8cm)	8.4 in. (21.3cm)	11.9 in. (30.2cm)	5.7 in. (14.5cm)	5.9 in. (15cm)	12.4 in. (31.5cm)

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: 6.5 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: +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

## Symbolgies

2 Dimensional: PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesa, Code 49, EAN-UCC Composite

Linear: Code 39, Code 128, Codabar, UPC, EAN, I 2of5, RSS, Code 93, Codablock, BC 412\*

Postal: Posnet (US), Planet Code, BPO 4 State, Canadian 4 State, 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.  
HHLIC non decoded laser output in 4600SR000 model.  
True RS-232 in 4600SR030 model.

Warranty: Three year factory warranty.

## Worldwide Offices

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