The Hand Held Products IMAGETEAM™ (IT) 4710 Image Reader can be configured as either a hand held or fixed mount device that reads matrix, stacked linear and conventional linear bar codes, as well as a single line of OCR-A and OCR-B fonts. Multi-line OCR applications can also be read. The IT4710 has the power to capture and download images to a PC for applications that include signature capture, PC-based decoding, and image lift requirements.

The IT4710 Reader can be used in retail, transportation, packaging, printed circuit board manufacturing, electronic component manufacturing, and clinical/diagnostic applications that include test tube and reagent package labels.

The IT4710 can be configured for keyboard wedge, HHLC (Code 128 emulation), TTL, or True RS-232. The IT4710 connects to all popular PCs and portable data terminals. HHLC mode can be used with external wedge decoders and portable terminals or other devices without 2D decoding capability.

The IT4710 features integrated processing for a one-piece scanning solution -- no additional boxes or electronics needed. The reader provides omni-directional and auto-discrimination decoding for symbologies, such as MaxiCode, PDF417, QR, Data Matrix, Aztec code, RSS code, composite codes, postal codes, Code 39, Code 93, Interleaved 2 of 5, Codabar, Code 128, UPC, and EAN. Additional symbologies will be added based on market demand.

Because the IT4710 is a fixed focus device, four product models with different focal points are available. Two high density scanners are available: IT4710HD and IT4710HD10. The IT4710HD, with a focal point of 2 inches, is recommended when the matrix symbols are less than 10 mil. The IT4710HD10 is recommended for applications when the matrix codes are greater than 10 mil. This version, with a focal point of 3 inches, maximizes the depth of field on 10 mil matrix codes, which directly correlates to greater functionality by the end user. The long range (LR/LX) models of the IT4710 are highlighted in separate data sheets.
IMAGETEAM™ 4710HD/HD10

Performance

HD Focal Point: 2 inches from nose
HD10 Focal Point: 3 inches from nose

HD Working Range: 6 pt OCR 6.6 mil QR 6.6 mil Data Matrix 4 mil Linear
(typical) 20 cpi (.017 cm) (.017 cm) (.01 cm)
Near 2 in. (5.1 cm) 1.7 in. (4.3 cm) 1.7 in. (4.3 cm) 1.6 in. (4.6 cm)
Far 3.5 in. (8.9 cm) 2.45 in. (6.2 cm) 2.45 in. (6.2 cm) 2.7 in. (6.9 cm)

HD10 Working Range: 10 mil QR 10 mil Data Matrix 5 mil Linear
(typical) (.025 cm) (.025 cm) (.013 cm)
Near 2.0 in. (5.1 cm) 2.2 in. (5.6 cm) 2.75 in. (7.0 cm)
Far 4.0 in. (10.2 cm) 3.8 in. (9.6 cm) 3.75 in. (9.5 cm)

Rotational Sensitivity: 360°
Viewing Angle: ±45°
Ambient Light: Total darkness to 100,000 lux (full sunlight)
Aiming: 660nm LEDs provide bright aiming line

Symbolologies
2 Dimensional: MaxiCode, PDF417, MicroPDF417, Aztec, Aztec Mesa, Data Matrix, QR Code, Code 49, UCC Composite, Snowflake*, Vericode*, Dataglyphs*
* available to licensed users only
Postal: Postnet (US), BPO4 State, Canadian 4 State, Japanese Post, KIX (Dutch Post), Planet Code
OCR Fonts: OCR-A, OCR-B
Interfaces: RS232, Wedge, and HHLC (Code 128 Emulation)
Programable Options: Baud, Parity, Data Formatting, Code Options

Mechanical/Electrical

Dimensions
Length: 4.85 in. (12.3 cm)
Height 1.85 in. (4.7 cm)
Width: 2.50 in. (6.35 cm)
Weight w/o cord: 5.5 oz. (156 g) or less
Power Requirements: 4 to 9 volts
Current Draw:
Low Power Mode - average @ 5 VDC-40mA
Medium Power Mode - average @ 5 VDC-125mA
High Power Mode - average @ 5 VDC-175mA
Standby Current: < 200µA @ 5V

Environmental

Temperature
Operating: -0°C to 50°C
Storage: -40°C to +70°C
Humidity: 95% RH, non condensing at 50°C
Shock: 10 drops 5 ft. to concrete @ room temperature
ESD: Functional after 15KV discharge
Agency: FCC Class B, CE

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