PowerScan® PDF Imager

Data Sheet

Industrial Strength Imaging Scanner

Ideal For:

- Warehousing
- Transportation & Logistics
- Package Distribution
- Electronic Assembly
- Heavy-Duty Manufacturing
- Retail

Features:

- Industry Leading Environmental Performance in shock/drop, sealing and temperature extremes
- High Performance Image Capture and Omni-directional, point-and-shoot label reading
- Ergonomic, Over-Molded Enclosure with integrated metal tether hook and cable retainer
- Bright Aiming Illumination to Ensure Fast, reliable scanning in diverse lighting conditions
- Flexible Mounting and Storage Accessories Available
- Durable, Solid State Scanning Backed by an Industry Leading Three Year Warranty

Mechanical

Dimensions: 2.7 x 4.4 x 7.2" (6.9 x 11.2 x 18.3 cm)
Weight: 9.6 oz. (272 g) without cable

Electrical

Operating Voltage: 4 VDC to 14 VDC
Operating Current (maximum)
  Interlaced Aiming: 275 mA @ 5V
  Concurrent Aiming: 450 mA @ 5 V
Standby Current (maximum)
  Normal Mode: 60 mA @ 5.5V
  Low Power Mode: 30 mA @ 5.5V

Environmental

Temperature Rating
  Operating: 14° to 122° F (-10° to 50° C)
  Storage: -40° to 158° F (-40° to 70° C)
Humidity: 5 to 95% NC
Shock: Withstands Multiple 6.5' (2 m) drops to concrete
Vibration: Meets MIL-STD-810E
Water & Dust: IEC529 rating IP54DW

Optical

Light sources
  Red Illumination LEDs: 626nm ± 30nm
  Green Aiming LEDs: 520nm ± 30nm
Imager Resolution: VGA, 640 x 480 pixels
Pitch: ± 40°
Skew: ± 40°
Ambient light capability: 535 to 100,000 Lux
Depth of Field: See Depthy of Field Table below

DEPTH OF FIELD Typical Range Comparisons		
LABEL DENSITY	STANDARD RANGE	HIGH DENSITY
7.5 mil Linear	—	1.5 - 5.5"/3.8 - 14.0 cm
8 mil Linear	2.5 - 6.6"/6.4 - 16.8 cm	—
13 mil UPC	1.5 - 11.5"/3.8 - 29.2 cm	1.3 - 7.9"/3.3 - 20.1 cm
6.6 mil PDF417	3.5 - 5.3"/8.9 - 13.5 cm	1.8 - 5.0"/4.6 - 12.7 cm
10 mil PDF417	2.1 - 8.0"/5.3 - 20.3 cm	1.2 - 6.6"3.0 - 16.8 cm
Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.		

Decoding Capability

Linear

- Code 39
- Code 128
- Code 93
- Code 11
- Codabar
- RSS
- Many Others
- UPC/EAN/JAN
- Code 2 of 5
- Interleaved 2 of 5

2D

- PDF417
- Code 49
- MicroPDF
- Others
- EAN-UCC Composites

Host Communications RS232C and USB

Accessories

P/N: 7-0462
Universal Kit

P/N: 11-0070 Scan Stand
P/N: 7-0404 Take Up Reel
P/N: 7-0430 Holster/Fork Lift Mount

Safety & Regulatory

Electrical: Complies to TÜV; UL; cUL
Emissions: Complies to FCC; EN 55022-B; CNS13438; AS/NZS 3548; VCCI

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