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Sensing and Productivity Solutions

HF560

2D Image Scanner

HF560 is a new fixed-type 2D image scanner with outstanding performance, providing excellent scanning ability for all 1D, PDF and 2D bar codes and postal code.



The pure white compact structure and flexible mounting allow it to be perfectly integrated into metro-gate and highway electronic toll collection.HF560 provides excellent scanning performance with high reading capability for QR code on mobile phone, and the bar codes on highly reflective surface in particular, and ultra-wide field of view for easier operation, making it a trusted fixed-mounting scanning solution.

Features & Benefits

Indication of scanning status: two rows of colour-changeable LEDs, which can change colour and flash continuously during decoding, reminding user of successful bar code reading.

Suitable size: Easily integrated in equipment of various types as bar code reading application such as metro-gate.

Wide field of view: Ultra-wide field enables complete scanning at larger angles.

Outstanding decoding performance: Rapid decoding all 1D and 2D bar codes, with particularly powerful reading capability for highly-reflective mobile phone screens.

Convenient mounting: Four (4) screw holes are pre-drilled at back of the product for more convenient mounting by customers.

HF560 Technical Data

Physical

Scanner Head Volume (L x W x H): 76mm×56mm×42.45mm

Weight: 235g

Electrical

Input Voltage: 5±0.5 VDC

Working Current: 400 mA (typical value)

Rated Power: 2000 mW (typical value)

Host Interface: USB, RS232

ESD: ±6kV (direct), ±15 kV (air)

Environmental

Operating Temperature: -20°C~+60°C

Storage Temperature: -40°C~+70°C

Humidity: 0%~95%, no condensation

IP rating: IP54

Crushing Strength: dropped from 1.5m high (2 times) onto cement floor

Shock Resistance: 3-shaft, 2 hours for each shaft, 1.52 mm (0.06") peak shift (22Hz – 300Hz), 5G accelerated speed

Illuminance: 0~100,000LUX

Typical Performance (SR)*

Bar code density	Depth of field
13mil UPC-A	35-150mm
20mil Code 39	15-185mm
20mil QR	15-120mm
40mil QR	15-225mm
Minimum Resolution: 1D 7.5mil;	2D 10mil

** Can be influenced by bar code quality and environmental conditions*

Scanning Performance

Light Source: None

Indicator: Blue light = standby; green flash = successful decoding

Scanning Type: Imaging

Resolution: 844(H)*640(V)

Symbol Contrast: ≥ 30%

Viewing angle (SR): horizontal 75.0°, vertical 60.5°

Turning, Rotation and Declination Angles: ±45°, ±180°, ±65°

Maximum Motion Allowable Error (SR): 6m/s (40mil printed QR code)

Decoding Capability: Decodes standard 1D and 2D bar codes

For more information, please visit:

www.honeywellaidc.com

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