HF800

Fixed-mounting 2D Industrial Reader

The new fixed-mounting industrial reader HF800 delivers outstanding barcode reading capability for all types of 1D and 2D codes including those on printed labels and the most difficult direct part mark (DPM), making it perfect for production data tracking for PCB and precision electronic parts, food production process management and confirmation of logistics barcode on the external packing cartons for electric/mechanical parts.



HF800 is equipped with imager with a resolution of 500K-pixel which is capable of collecting images at 60 fps. Its built-in red LED light source combined with exceptional DPM decoding algorithm enables HF800 to have powerful DPM resolution. In addition, its compact size makes it ideal for use in industrial environment with limited space. The IP65 protection rating also ensures that it can handle various harsh working environments.

HF800 is also equipped with DataMax software, as well as AutoLearn function. The user can complete image setting with just one button, a significant convenience for any bar code reader.

The device is integrated with network ports, RS232 port and RS485 port as well as I/O port input to meet the needs of users in different application environments. A 0-degree and 90-degree version for vertical or horizontal mounting can be selected based on the site's actual working needs.

Depending on the working distance, there are 3 different versions available– HD, SR and ER. The user can select a product that suits their needs for working distance and field of vision.

FEATURES AND BENEFITS

Powerful DPM decoding: 500K-pixel resolution imager with 60fps capability and built-in red LED light source to give it powerful decoding capability for DPM.

Suitable for use in harsh and complex environments: Its compact size makes it ideal in tight industrial environment, while its IP65 rating ensures that it can handle all types of harsh and complex work environments.

Simple and quick configuration: Equipped with DataMax software and AutoLearn functions, it allows image setting to be completed with just one button, thereby significantly increasing the convenience of configuring the reader.

Wide variety of ports: HF800 is integrated with network port, RS232 port and RS485 port, as well supports I/O port output..

Numerous models to meet different application needs: Offers two versions – 0 and 90 – as well as 3 versions namely HD, SR and ER for different distances*; product combinations meet the needs of users fordifferent applications.

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HF800 Technical Specifications

DESCRIPTION

Dimensions:
Horizontal: 54.5*52.5*29mm
Vertical: 73.2*52.5*29mm
Weight (device only):
Horizontal: 210g
Vertical: 265g
Housing Material: Zinc alloy
Decoding Performance:
1D bar code: PDF417
2D codes: QR Code, Datamatrix, Maxicode, Aztec

IMAGER

Imager: 838x640, CMOS chip, Global shutter
Imaging Speed: 60 fps
Available Models: 3 versions for different work distance and FOV: HD, SR and ER
Learning Button: Includes learning button for quick setting
Aiming Device:
0 – Laser indicator;
90 – LED indicator
Dispersed Input: 2*photoelectric dispersed input; definition can be programed
Dispersed Output: 2*photoelectric dispersed output; definition can be programed
Status Output: Five-status LED, buzzer
Power: Standard 10VDC-30VDC
Power Consumption: Max 5W
Communication: RS232, R S485 and Ethernet ports
Network mode: Master/Slave

TEMPERATURE

Operating Temperature: 0°C to 50°C
Storage Temperature: -20°C to 70°C

SYSTEM ARCHITECTURE

IP Rating: IP65
Operating System:
Windows XP, Vista, Windows 7,10Paragraph Style = Table: Title

TYPICAL PERFORMANCE FOR HD, SR AND ER MODELS*

IMAGER	0 DEGREE	90 DEGREE
HF800HD		
4mil Code 39	50~80mm	25~55mm
5mil Code 39 3	0~115mm	25~90mm
13 mil UPC	40~175mm	25~150mm
10 mil datamatrix	22~128 mm	25~105mm
20 mil datamatrix	23~195mm	25~170mm
HF800SR		
5mil Code 39	64~140mm	39~115mm
13 mil UPC	55~405mm	30~380mm
10 mil datamatrix	62~190mm	37~165mm
20 mil datamatrix	47~375mm	25~350
HF800ER		
5mil Code 39	147~218mm	122~193mm
13 mil UPC	71~480mm	46~455mm
10 mil datamatrix	135~250mm	110~225mm
20 mil datamatrix	102~400mm	77~375mm

** Can be influenced by barcode quality and environmental conditions*

For more information
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