



FuzzyScan FA480

2D Fixed Mount Imager

- Easy-mounting and compact design
- Test mode helps you identify optimal mounting positions
- Universal model supports external trigger, OK and NG output signals
- Superior motion tolerance for rapid captures of moving barcodes
- Scene Optimum™ enables quick adaption to diverse use scenarios
- Manual control of imaging parameters for advanced users
- Fast and simple configuration with iCode
- Advanced data formatting with DataWizard Premium
- Cost-free security mechanism for scanner authentication

Performance Characteristics

Image Sensor	1280 x 800 Pixels
Print Contrast	18% minimum reflectance difference
Light Source	660nm LED
Minimum Resolution	HD Model 2.4 mil Code 39, 4.5 mil DM SR Model 2.7 mil Code 39, 4.8 mil DM
Reading Range	HD Model 13 mil (0.33mm) UPC/EAN up to 9" SR Model 13 mil (0.33mm) UPC/EAN up to 16"
Configuration Setup	Barcode commands iCode (Configuration barcode) FuzzyScan PowerTool
Data Editing	DataWizard Premium
User Interfaces	USB HID (USB Keyboard) USB VCOM (USB COM port emulation) True RS232

User Environment

Drop Specifications	Withstands 1.5m/5ft. drop to concrete
Environmental Sealing	IP54
Operating Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Humidity	5% to 95% relative humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 lux
ESD Protection	Functional after 15kV discharge

Supported Symbolologies

1D Linear Barcodes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey
2D Barcodes	PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR
Postal Barcodes	Australian Post, US Planet, US Postnet, Japan Post

Safety & Regulatory

EMC	CE, FCC, BSMI, VCCI, KC
Safety	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS directive

Physical Characteristics

Dimensions	47.6 mm (L) x 40.6 mm (W) x 25.6 mm (H)
Weight	101 g
Scan Window	Choice of front or side scan window
Connector	9-pin D-sub female (RS232 version) 4-pin USB Type A (USB version) 15-pin D-sub HD female (Universal version)
Input Voltage	5 VDC ± 10%

