cino®

FuzzyScan FA480-UW
Ultra Wide Angle Fixed Mount Scanner

- Ultra-wide FOV for reading wide or large barcodes in short distance

- Suitable for use in many embedded applications, such as parking machine, smart lockers, and so on

- Compact and durable design with IP54 sealing

- Choice of front-view or side-view scanning direction

- Single scan setup with iCode

- Advanced data processing with DataWizard Premium

- Interprets GS1 codes with user-definable format

- Multilingual output support

- Security Plus offers free security to host applications

Performance Characteristics

Image Sensor	1280 x 800 Pixels
Print Contrast	15% minimum reflective difference
Light Source	Warm White LED
Field of View	77˚ H x 52˚ V (TBD)
Min. Resolution	4.0 mil Code 39 (TBD) 7.0 mil DM/QR (TBD)
Reading Range [*1]	13 mil (0.33mm) UPC/EAN up to 12" (TBD)
Roll, Pitch, Skew	Roll: 360˚; Pitch: ± 75˚; Skew: ± 65˚
Motion Tolerance	Up to 617 cm/s (243 in/s)
Configuration Setup	FuzzyScan Barcode commands FuzzyScan iCode FuzzyScan PowerTool
Host Interfaces	**FA480-UW-00x** Standard RS232 **FA480-UW-11x USB** USB HID/VCOM **FA480-UW-98x** Standard RS232 USB HID/VCOM
Data Processing	DataWizard Premium
Image Capture	BMP format

Physical & Electrical Characteristics

Dimensions (L x W x H)	47.6 x 40.6 x 25.8 mm 1.87 x 1.60 x 1.01 in.
Weight	101g
Scanning Directions	Choice of front-view or side-view scanning direction
Connector	FA480-UW-00x: 9-pin D-sub FA480-UW-11x: USB Type A FA480-UW-98x: 15-pin D-sub
Input Voltage	5VDC ± 10%
Current	Operating: Typical 360 mA @5VDC Standby: Typical 220 mA @5VDC

1. The Reading Range is measured under Cino's test environmental condition.
2. Codablock F, Code 16K, Code 49, and Chinese Sensible (Han Xin) Code are available upon request.
3. Don't stare into the LED beam.

Decode Capabilities

1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey , GS1 DataBar, Linear & Linear Stacked
2D Codes [*2]	PDF417, Micro PDF417, Composite Codes, DataMatrix, MaxiCode, QR Code, MicroQR, Aztec, Codablock F, Code 16K, Code 49, Chinese Sensible (Han Xin) Code
Postal Barcodes	Australian Post, US POSTNET, Japan Post, Posi LAPA 4 State Code, German Post, British Post, Intelligent Mail, Korean Post, Dutch KIX Post, China Post

User Environment

Drop Specifications	Withstands drops from 1.5m (5ft) to concrete
Environmental Sealing	IP54
Operating Temperature	-20˚C to 50˚C (-4˚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

Safety & Regulatory

EMC	CE, FCC, BSMI, VCCI, KC
Safety [*3]	LED Eye Safety IEC62471-1: Exempt Group
Environmental	Compliant with RoHS directive

Accessories

Cables	USB Cable Converter RS232 Cable Converter
Others	5VDC Power Supply Unit

CONSULTING DISTRIBUTOR

www.cino.com.tw