



FX8770

Fixed mount barcode scanner

The FX8770, a fixed mount barcode scanner, quickly and efficiently scans 2D barcodes.

This scanner is ideal for retail or industrial barcode scanning applications. Additionally, FX8770 has picture-capture capability: scanned images can be viewed to assist with troubleshooting in industrial applications.

The FX8770 product highlights include:

- World's most compact fixed mount scanner in its class.
- Rapidly scans/decodes a wide variety of 2D barcode.
- Exceptional motion tolerance for moving applications.
- Improved scanning of curved, wide and poorly printed barcodes.
- Programmable with Universal Menu Tool software available.
- Complete unit with integrated decoder.
- Low power consumption provides design flexibility.
- Multi user interface support.



USB



RS-232



帝商科技
REGAL SCAN TECH

FX8770

> BASIC PRODUCT SPECIFICATIONS

OPERATING INDICATORS

VISUAL: 1 LED (green)
NON-VISUAL: Buzzer

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

RS232: DB9 PTF connector with external power supply
USB: Ver. 2.0, VCP, USB-A connector

POWER

VOLTAGE REQUIREMENT: 5.8-6.5V

2D IMAGER OPTICS

LIGHT SOURCE: Aiming green LED
SCAN METHOD: CMOS area sensor, 640x 480 pixels, gray scale
SCAN RATE: Up to 100 fps
READING PITCH ANGLE: $\pm 65^\circ$
READING SKEW ANGLE: $\pm 65^\circ$
READING TILT ANGLE: 360°
CURVATURE: $R \geq 20$ mm
MIN. PCS VALUE: 0.9 or higher
FIELD OF VIEW: Horizontal 38.0° , Vertical 28.9°
DEPTH OF FIELD:
At Code 39 55 - 128 mm (0.127 / 5mil)
54 - 239 mm (0.254 mm / 10 mil)
71 - 435 mm (0.508 mm / 20 mil)

DEPTH OF FIELD:
At QR Code 62 - 113 mm (0.169 mm / 6.7 mil)
24 - 252 mm (0.381 mm / 15 mil)
[FX877X]

MIN. RESOLUTION:
1D Code 0.1 mm
GS1-Databar 0.169 mm
Stacked Code 0.169 mm
2D Code 0.169 mm

SCAN SPEED:
1D Code 40 Scans/Second
2D Code 25 Scans/Second

FOCAL:
Distance 115mm

SUPPORTED SYMBOLOGIES

BARCODE (1D): UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Add-on, EAN-8, EAN-8 Add-on, JAN-8, JAN-13, Code 39, Tri-Optic, Codabar (NW-7), Industrial 2 of 5, Interleaved 2 of 5, S-Code, IATA, Code 93, Code 128, MSI/Plessey, UK/Plessey, TELEPEN, Matrix 2of5, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Composite GS1-DataBar, Composite GS1-128, Composite EAN, Composite UPC

POSTAL CODE: Chinese Post, Korean Postal Authority code
2D CODE: PDF417, MicroPDF417, Codablock F, QR Code, Micro QR Code, DataMatrix(ECC 0 - 140 / ECC 200), MaxiCode (Modes 2 to 5), Aztec Code, Chinese Sensible Code

DURABILITY

TEMPERATURE IN OPERATION: -30 to 60 °C
TEMPERATURE IN STORAGE: -40 to 70 °C
HUMIDITY IN OPERATION: 5 - 90% (non-condensing)
HUMIDITY IN STORAGE: 5 - 90% (non-condensing)
AMBIENT LIGHT IMMUNITY:
Fluorescent Light 10,000 lux
Incandescent Light 10,000 lux
Sunlight 100,000 lux
DROP TEST: 1.8 m
VIBRATION TEST: 12 - 200 Hz with 3.3G for Ten Minutes
PROTECTION RATE: IP65

PHYSICAL

DIMENSIONS (W X H X D): 50.8 x 35 x 50.5 mm
WEIGHT BODY: Ca. 89g
CASE: ABS

