

# F70

## Fixed position CCD scanner

> HIGHLIGHTS

High speed scanning

CCD linear sensor

Sheet metal case

Various interfaces

2 models available



SCALE 1:1



# F70

## > BASIC PRODUCT SPECIFICATIONS

### OPERATING INDICATORS

**VISUAL:** 1 LED (red/green/orange) **NON-VISUAL:** Buzzer

### COMMUNICATION

**RS232:** DB25 F connector with external power supply **USB:** Ver. 2.0, HID/VCP, USB-A connector

### POWER

**VOLTAGE REQUIREMENT:** 5V +/- 5% **CURRENT CONSUMPTION:** 220mA (typical use)

### BARCODE SCANNER OPTICS

**LIGHT SOURCE:** 660 nm red LED **SCAN METHOD:** CCD linear sensor **SCAN RATE:** 700 scans/sec **TRIGGER MODE:** Multiple read, serial software trigger **READING PITCH ANGLE:** -6 to 0°, 0 to +6° **READING SKEW ANGLE:** -30 to -10°, +10 to +30° **READING TILT ANGLE:** -20 to 0°, 0 to +20° **FOCAL PLANE: L-type:** 31.4 mm, **I-type:** 35.4 mm / 1.39 in, Min. resolution at PCS 0.9: 0.2 mm / 0.15 mm at 60 mm reading length, Min. PCS value: 0.45 **DEPTH OF FIELD: I-type:** Ca. 30 - 42 mm / 1.18 - 1.65 in (Ca. -5 to +5 mm from focal plane), **L-type:** Ca. 30 - 41 mm / 1.18 - 1.61 in (Ca. -5 to +6 mm from focal plane) **CURVATURE:** R>30 mm (EAN8), R>20 mm (EAN13)

### SUPPORTED SYMBOLOGIES

**BARCODE (ID):** JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 39, Code 93, Code 128, GS1-128 (EAN-128), IATA, Industrial 2of5, Interleaved 2of5, MSI/Plessey

### DURABILITY

**TEMPERATURE IN OPERATION:** 0 to 40 °C / 32 to 104 °F **TEMPERATURE IN STORAGE:** -10 to 60 °C / 14 to 140 °F **HUMIDITY IN OPERATION:** 20 - 85% (non-condensing) **HUMIDITY IN STORAGE:** 20 - 90% (non-condensing) **AMBIENT LIGHT IMMUNITY:** Incandescent 5,000 lx max, Fluorescent 5000 lx max **ANTISTATIC ELECTRICITY:** 15kV (non-destructive) **DROP TEST:** 0.6 m / 2 ft drop onto concrete surface **VIBRATION TEST:** 10 - 100 Hz with 2G for 3 hours

### PHYSICAL

**DIMENSIONS (W X H X D): I-type:** 55 x 47 x 20 mm / 2.17 x 1.85 x 0.79 in, **L-type:** 52 x 55 x 20 mm / 2.05 x 1.85 x 0.79 in **WEIGHT BODY: I-type:** Ca. 100 g / 3.5 oz (excl. cable), **L-type:** Ca. 110 g / 3.9 oz (excl. cable) **CASE:** Sheet metal, Black

### REGULATORY & SAFETY

**PRODUCT COMPLIANCE:** CE, FCC, RoHS, EN60950-1, IEC60950-01, IEC60825-1, EN55022, EN55024

### SOLD SEPARATELY

Power supply 230V, 50 Hz, 5V/500mA (for RS232)

### MODELS

**SCAN VERSIONS:** I-type, L-type

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