



FX- 4680 FIXED 2D SCANNER

Physical Characteristics	
Dimensions:	35mm x 35.5mm x 20.2mm Cable: 131cm
Weight:	70g
Input Voltage:	USB: 5V ; RS-232: 3.3V
Current:	RS-232: 1.8mA (Sleep Mode); 320mA (Operating); 90mA (Idle) USB: 0.8mA (Suspend); 195mA (Operating); 75mA (Idle)
Performance Characteristics	
Barcode Engine	Honeywell N4680
Image:	CMOS sensor 640 x 480 pixels; Global Shutter; up to 120 frames per second
Light Source:	Aiming: 630nm LED; Illumination: 3000K LED
Field OF View:	Horizontal: 40° ; Vertical: 30°
Scan Angles:	Tilt: 360° ; Pitch: ±50° ; Skew: ±50°
Print Contrast:	20% minimum print contrast ratio
Motion Tolerance:	6 meter per second
Symbology Decode Capability	
1D:	Codabar, Code 11, Code 128, , Code 39, Code 93, Code 32, EAN/JAN-13, EAN/JAN 8, UPC-A, UPC-E, IATA Code 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, NEC 2 of 5, MSI, GS1 Databar, GS1-128
2D:	Codablock A, Codablock F, PDF417, MicroPDF417, Aztec Code, Data Matrix, Maxi Code, QR Code, Chinese Sensible(Han Xin) Code, DotCode, Grid Matrix
Postal Codes:	Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
OCR	OCR-A, OCR-B, MICR-13, Digimarc Barcode
Environmental	
Temperature:	Operating: -30°C to 60°C ; Storage: -40°C to 70°C
Humidity:	0% to 95% relative humidity, non-condensing, at 60°C
Ambient Light:	0 – 100,000 lux
Shock Specification	Designed to withstand 1.5m(5') drops
Decode Range	
100% U.P.C	46mm to 390mm
5 mil Code 39	45mm to 180mm
20 mil QR Code	36mm to 367mm
Performance may be impacted by barcode quality and environmental conditions.	

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