Newland
SCANNING MADE SIMPLE

1D & 2D
Dual Interface
Mobile Reading
CMOS
Chip
EasySet
Warranty 2 Years

FM3051 Grouper

Stationary Scanners

Features

Superior decoding performance.
Your employees can scan virtually any barcode, including 1D and 2D, at an extraordinary speed.

Effortless scanning from mobile phone screen.
Built to read from an LCD screen, the FM3051 Grouper can easily read barcodes from any mobile device screen. An extended capability of IR reading allows the device to detect barcodes under virtually any ambient light. Whether you operate at daytime or nighttime, scanning is quick and efficient.

Easily mounted in small spaces.
The FM3051 Grouper is designed for businesses that require high performance and a minimal footprint. With its small size, the device is ideal for kiosk integration and other POS solutions.

Easy to install.
The FM3051 Grouper can be set up quickly and easily. A plug-and-play simplicity enhances your experience right from the start. The device can be further configured according to your needs by using a simple barcode programming guide.

Application scenarios.
POS Solutions, kiosk integration, scanning from a mobile phone screen, such as for loyalty programs or ticket validation.

Suggested industries

Entertainment
Finance
Hospitality
Retail
Transportation

FM3051 Grouper Technical specifications

Data Capture	
1D	All major 1D symbologies including EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128 (FNC1, FNC2, FNC3), Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14), Code 39, Code 11, MSI-Plessey, Plessey
2D	All major 2D symbologies including DF417, Data Matrix, QR Code.
Image Sensor	CMOS 752*480
Illumination	White LED
Scan Modes	Sense Mode, Continuous Mode
Scan Rate	60 frames per second
Performance	
Processor	0390 Chip+MCU
Minimal Print Contrast	25%
Scan Angle Roll	360°
Scan Angle Pitch	±40°
Scan Angle Skew	±40°
Field of View Horizontal	75°
Field of View Vertical	50°
Scan Window	38.3mm×60.4mm
Physical	
Dimensions (mm)	78.7(W)×67.7(D)×62.5(H)mm (max.)
Weight	184g
Material	PBT, ABS, Aluminium
Interfaces	RS-232, USB
Notifications	Beep
Input Voltage	5VDC±5%
Current @ 5VDC Operating	115mA (typical), 198mA (max.)
Power Consumption	572mW (typical)
Power Supply Input	DC5V, 1.5A
Power Supply Output	AC100~240V, 50~60Hz
Environmental	
Operating Temperature	-20℃ to 60℃ (-4°F to 140°F)
Storage Temperature	-40℃ to 70℃(-4°F to 158°F)
Humidity	5%~95% (non-condensing)
Electro Static Discharge (ESD)	±8 KV (air discharge); ±4 KV (direct discharge)
Software	
Configuration Tools	EasySet

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Specifications are subject to change without notice

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Certifications	
Hardware	FCC Part15 Class B, CE EMC Class B, RoHS
Warranty	
Standard	2 years

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