



FM3051 Grouper

Fixed-Mount Scanners



1D & 2D



Chip



CMOS



Dual
Interface



EasySet



Mobile
Reading



Warranty
5 Years



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.

5 Years Full
Warranty



FM3051 Grouper

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.
Field of View Horizontal	75°
Field of View Vertical	50°
Illumination	White LED
Image Sensor	752 x 480 CMOS
Minimal Print Contrast	25%
Scan Angle Pitch	±40°
Scan Angle Roll	360°
Scan Angle Skew	±40°
Scan Modes	Sense Mode, Continuous Mode
Scan Rate	60 frames per second
Scan Window	38.3 mm × 60.4 mm

Performance

Processor	0390 Chip, MCU
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Physical

Current @ 5VDC Operating	115 mA (typical), 198 mA (max)
Dimensions	78.7(W) × 67.7(D) × 62.5(H) mm (max.)
Housing	PBT, ABS, Aluminium
Input Voltage	5 VDC ±5%
Interfaces	RS-232, USB
Notifications	Beep
Power Consumption	572 mW (typical)
Power Supply Input	5 VDC (1.5 A)
Power Supply Output	AC100 to 240 V (50 to 60 Hz)
Weight	184 g

Environmental

Electro Static Discharge (ESD)	±8 kV (air discharge), ±4 kV (direct discharge)
Humidity	5% to 95% (non-condensing)
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet
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Certifications

Certifications Hardware	FCC Part15 Class B, CE EMC Class B, RoHS
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Warranty

Warranty Standard	5 Years
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Accessories

Accessories Optional	Multiplug adapter, RS-232 cable, USB cable, USB-C cable
Accessories Standard	USB cable, RS-232 cable

What's in the box?

NLS-FM3051-28	FM3051 Grouper, RS-232 cable, Multiplug adapter
NLS-FM3051-20	FM3051 Grouper, USB cable

Accessories

Charging/Power	ADP100 Power Supply for HR, FR, and FM Series (ADP100)
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Cables	CBL017U RJ to USB-C Cable for HR, FR and FM Series (CBL017U) CBL026U USB Cable for FR and FM series (CBL026U) CBL030UA USB Cable for HR, FM, and FR (CBL030UA) CBL036UA USB Cable for HR, FM, and FR Series (CBL036UA) CBL037R RS232 Cable for HR, FR, and FM Series (CBL037R) CBL042UA USB Cable for HR, FM, and FR Series (CBL042UA) CBL042UA V5.0 USB Cable for FM, and FR Series (CBL042UA V5.0)
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Peripherals	EX232 Remora (NLS-EX232-01)
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