



FM30
Grouper II Series
FM3051 / FM3056
fixed mount barcode
scanners



FEATURES

FM3056 is the flush mount equivalent of FM3051.

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 FM30 Grouper II Series 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 FM30 Grouper II Series 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 FM30 Grouper II Series 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.

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newland-id.com

		FM3056	FM3051
Performance	Image Sensor	752*480 CMOS	
	Illumination	White LED	
	Symbologies	2D: PDF417, Data Matrix, QR Code, Chinese Sensible Code. 1D: 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	
	Resolution*	≥5mil	
	Scan Mode	Sense mode, Continuous mode	
	Scan Angle**	Pitch: ±40°, Roll: 360°, Skew: ±40°	
	Scan Window	31.5mm×46.5mm	38.3mm×60.4mm
	Field of View	Horizontal: 75°, Vertical: 50°	
	Min. Symbol Contrast*	25%	
	Interface	RS-232, USB	
Physical/ Electric	Dimensions	78.7(W)×67.7(D)×53(H)mm (max.)	78.7(W)×67.7(D)×62.5(H)mm (max.)
	Weight	173g	195g
	Notification	Beep	
	Power Consumption	534mW (typical)	
	Operating Voltage	5VDC±5%	
	Current@5VDC	Operating Current: 108mA (typical), 114mA (max.)	
Environmental	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
	Storage Temperature	-40°C to 70°C (-4°F to 158°F)	
	Humidity	5% to 95% (non-condensing)	
	ESD	±8 KV (air discharge); ±4 KV (direct discharge)	
Certifications	FCC Part15 Class B, CE EMC Class B		
Accessories	Cable	USB cable: Used to connect the scanner to a host device. RS-232 cable: Used to connect the scanner to a host device.	
	Power Adapter	DC5V power adapter to provide power for the scanner with RS-232 cable.	

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

Version: V1.0

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp; 2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

*Specifications are subject to change without notice. *

Newland EMEA HQ

+31 (0) 345 87 00 33
info@newland-id.com
newland-id.com

D-A-C-H

+49 (6) 182 82916-16
info@newland-id.de

United Kingdom

+44 (0) 7771 631387
info@newland-id.co.uk

France

+39 (0) 345 8804096
france@newland-id.com

Russia

+31 (0) 345 87 00 33
russia@newland-id.com

Benelux

+31 (0) 345 87 00 33
benelux@newland-id.com

Turkey

+90 (0) 544 538 40 49
turkey@newland-id.com

Ibérica

+34 (0) 93 303 74 66
info@newland-id.es

Middle East

+39 (0) 345 8804096
middleeast@newland-id.com

Italy

+39 (0) 342 0562227
italy@newland-id.com

South Africa

Gauteng: +27 (0) 11 553 8010
Cape Town: +27 (0) 21 9140819
info@newland-id.co.za

Nordic & Baltic

+46 (0) 70 88 47 767
nordic@newland-id.com

Iran

+90 (0) 544 538 40 49
iran@newland-id.com