



FM100
fixed mount
barcode scanner



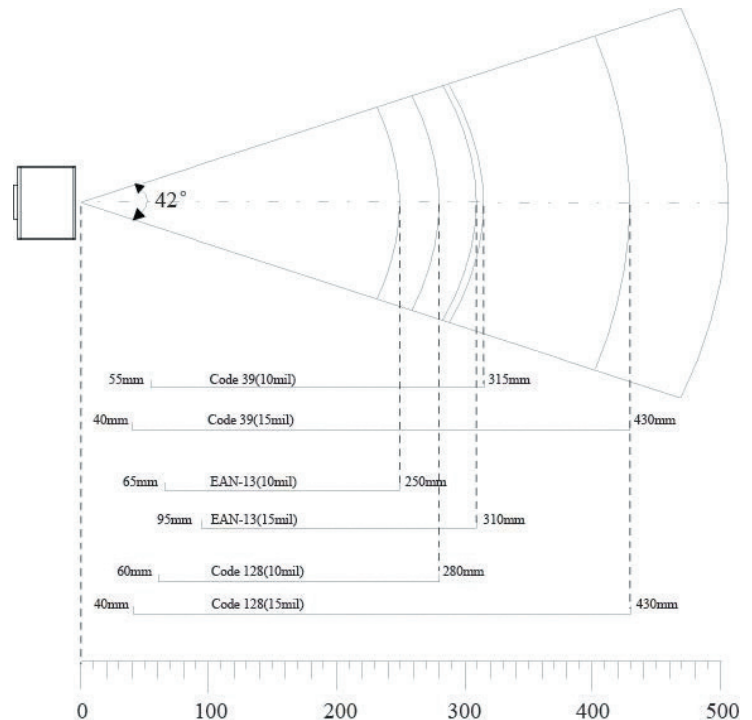
FEATURES

Ease of integration.

Compact and easy to integrate design. The small form factor enables easy integration into various solutions. The FM100 has an IP54 rating meaning it is dust -and water resistant.

Advanced technology.

Includes core-technology UIMG, which is independently designed and manufactured by Newland Auto-ID. UIMG technology includes the optical, CMOS, digitizer, decoder, image processing & embedded systems. The scanner supports all global standard 1D symbologies. Its' reading performance reaches and exceeds global standards. By using the accessories provided, the user can ideally set up the scanner to its user environment.



Application Scenarios

Designed for OEM applications • this high performance fixed CCD scan engine can easily be integrated into various solutions such as kiosks • ticketing machines • (Reverse) Vending Machines and many more.

FM100

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newland-id.com

Performance	Image Sensor		CCD
	Resolution		2500
	Interface		RS232 / USB 1.1
	Symbologies	1D	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, UCC/EAN-128, GS1Databar,etc.
	Reading Precision		≥ 5mil(Condition: PCS=0.9, testing code: Code 39)
	Sensitivity**	Pitch	±65°@ 0°Roll and 0° Skew
		Roll	±30°@ 0°Pitch and 0° Skew
		Skew	±60°@ 0°Roll and 0° Pitch
	Light Source		LED(622 nm - 628 nm)
	Light Intensity		265 LUX (130 mm)
	Depth of Scan Field		40mm-430mm
	Print Contrast Signal		≥ 30%
	Mechanical/ Electrical	Current	Max
Working			170mA
Idle			65mA
Voltage		DC 5 V	
Power Consumption		1.25W	
Dimensions		49.0(L)*37.0(W)*26.0(H) mm	
Weight		70g	
Environmental	Operating Temperature		-5°C~+45°C
	Storage Temperature		-40°C~+60°C
	Humidity		5%~95% (non-condensing)
Certificates		FCC Part15 Class B, CE EMC Class B	
Accessories	USB Cable		This cable connect to the USB Slave port of FM100 with a RJ45 port. With a standard USB Slave port to connect to standard USB Host port
	RS232 Cable		This cable connect to the RS232 port of FM100 with a RJ45 port. With a standard female RS232 port to connect to standard male RS232 port. With a power port to accept power adapter supply.
	Power Adapter		The power adapter for FM100 by the CBL-FM100R. Output: DC 5V, 2A; Input: AC100~240V, 50~60HZ

**Test Condition: Code39: 3 Bytes ; Resolution = 10mil; W:N = 3:1 ; PCS = 0.8 ; Barcode Height = 11mm; Distance = 120mm; T=23°C; Illumination= 200 LUX.

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) 1442 212020
sales@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