



**FM100**  
fixed mount  
barcode scanner



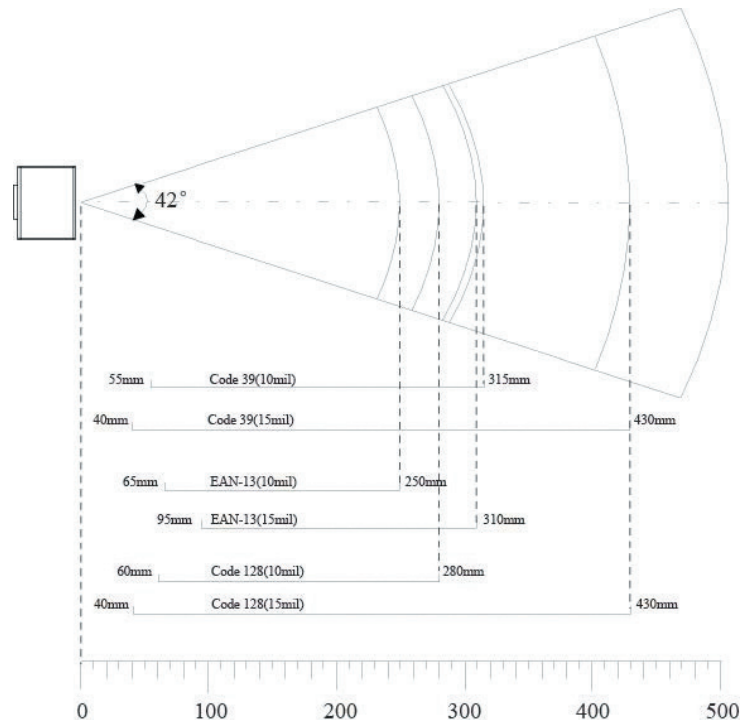
## FEATURES

### 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

## fixed mount barcode scanner

newland-id.com

<b>Performance</b>	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%
	<b>Mechanical/ Electrical</b>	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	
<b>Environmental</b>	Operating Temperature		-5°C~+45°C
	Storage Temperature		-40°C~+60°C
	Humidity		5%~95% (non-condensing)
<b>Certificates</b>		FCC Part15 Class B, CE EMC Class B	
<b>Accessories</b>	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.\*

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