



# FM3080 Hind

Fixed-Mount Scanners



1D & 2D



CMOS



Dual  
Interface



EasySet



Infrared



IP65



Mobile  
Reading



Visual  
Feedback



Warranty  
5 Years



## Features

### Snappy on-screen barcode capture.

The FM3080 Hind is armed with Newland's sixth-generation of UIMG® technology. This CPU-based scanner excels at reading on-screen barcodes that contain a large amount of data.

### Instant visual feedback.

With up to 4 color options available, the white scanning window of the FM3080 Hind can light up each scan. It can be programmed for different barcodes, a successful read, or to match your company brand.

### Small form factor.

Dimensions of 78.7 x 67.7 x 47.5mm make the FM3080 Hind the smallest of the FM30 series. As a result, it takes up minimal space in a kiosk or at the POS.

### IR and light sensors.

In order to achieve higher productivity, the FM3080 Hind has a combination of an IR sensor and light sensor. This combination creates improved sensitivity in activating the scanner to scan the presented barcode.

### IP65 sealing.

The FM3080 Hind possesses a high IP-rating of IP65, making it resistant to water and dust.

### Anti Reflection

The updated FM3080 Hind has an anti-reflection and glare coating on the underside of the glass, making reading barcodes from screens even snappier and user-friendly.

**5** Years Full  
Warranty

 **EasySet**

## TECHNICAL SPECIFICATIONS

# FM3080 Hind

## Data Capture

|                                 |                                                                                                                                                                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1D                              | All major 1D symbologies, including EAN-8, EAN-13, UPC-A, UPC-E, ISSN, ISBN, Codabar, Standard 2 of 5, Code 128, Code93, ITF-6, ITF-14, GS1 Databar, MSI-Plessey, Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 11, Plessey. |
| 2D                              | All major 2D symbologies, including PDF417, Data Matrix, QR Code, Micro QR Code, Aztec.                                                                                                                                                            |
| Depth of Field Code 128 (10mil) | 0 mm - 185 mm                                                                                                                                                                                                                                      |
| Depth of Field Code 39 (20mil)  | 40 mm - 210 mm                                                                                                                                                                                                                                     |
| Depth of Field EAN 13 (13mil)   | 0 mm - 190 mm                                                                                                                                                                                                                                      |
| Depth of Field QR (20mil)       | 0 mm - 130 mm                                                                                                                                                                                                                                      |
| Field of View Horizontal        | 74°                                                                                                                                                                                                                                                |
| Field of View Vertical          | 74°                                                                                                                                                                                                                                                |
| Illumination                    | White LED                                                                                                                                                                                                                                          |
| Image Sensor                    | 800 x 800 CMOS                                                                                                                                                                                                                                     |
| Minimal Print Contrast          | 25%                                                                                                                                                                                                                                                |
| Scan Angle Pitch                | ±40°                                                                                                                                                                                                                                               |
| Scan Angle Roll                 | 360°                                                                                                                                                                                                                                               |
| Scan Angle Skew                 | ±40°                                                                                                                                                                                                                                               |
| Scan Modes                      | Sense Mode, Continuous Mode                                                                                                                                                                                                                        |
| Scan Window                     | 50 mm x 50 mm                                                                                                                                                                                                                                      |

## Physical

|                          |                                |
|--------------------------|--------------------------------|
| Current @ 5VDC Operating | 185 mA (typical), 193 mA (max) |
| Dimensions               | 78.7(W) x 67.7(D) x 47.5(H) mm |
| Input Voltage            | 5 VDC ±5%                      |
| Interfaces               | RS-232, USB                    |
| Notifications            | Beep, LED                      |
| Power Consumption        | 869 mW (typical)               |
| Weight                   | 132 g                          |

## Environmental

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Electro Static Discharge (ESD) | ±15 kV (air discharge), ±8 kV (direct discharge) |
| Humidity                       | 5% to 95% (non-condensing)                       |
| IP Rating                      | IP65                                             |
| 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 |
|---------------------|---------|

## Certifications

|                         |                                          |
|-------------------------|------------------------------------------|
| Certifications Hardware | FCC Part15 Class B, CE EMC Class B, RoHS |
|-------------------------|------------------------------------------|

|                   |         |
|-------------------|---------|
| Warranty Standard | 5 Years |
|-------------------|---------|

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

|                    |                                              |
|--------------------|----------------------------------------------|
| What's in the box? |                                              |
| NLS-FM3080V2-28    | FM3080 Hind, RS-232 cable, Multiplug adapter |
| NLS-FM3080V2-20    | FM3080 Hind, USB cable                       |

## Accessories

|                |                                                        |
|----------------|--------------------------------------------------------|
| Charging/Power | ADP100 Power Supply for HR, FR, and FM Series (ADP100) |
|----------------|--------------------------------------------------------|

|        |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cables | CBL017U RJ to USB-C Cable for HR, FR and FM Series (CBL017U)<br>CBL026U USB Cable for FR and FM series (CBL026U)<br>CBL030UA USB Cable for HR, FM, and FR (CBL030UA)<br>CBL036UA USB Cable for HR, FM, and FR Series (CBL036UA)<br>CBL037R RS232 Cable for HR, FR, and FM Series (CBL037R)<br>CBL042UA USB Cable for HR, FM, and FR Series (CBL042UA)<br>CBL042UA V5.0 USB Cable for FM, and FR Series (CBL042UA V5.0) |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|             |                             |
|-------------|-----------------------------|
| Peripherals | EX232 Remora (NLS-EX232-01) |
|-------------|-----------------------------|



**Newland AIDC EMEA**  
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