



**EX90**  
Long Range  
pistol grip

## FEATURES

### Compatible design.

The EX90 is a long range barcode scanner that works with Newland's MT90 Orca. Lightweight and well balanced, this device reduces stress and fatigue during extended work sessions.

### Long range reading ability.

The EX90 is able to read 1D and 2D barcodes at a distance of up to 12 meters.

### Industrial durability.

Featuring an IP65 sealing, the EX90 is protected against water and dust and withstands 1.2m drops to concrete.

### Long battery life.

The MT90 is equipped with a 4500mAh battery that supports the EX90 for up to 12 hours from a single charge.

## Application Scenarios



logistics



inventory



warehousing

# EX90

## Long Range handheld reader

newland-id.com

|                              |                                     |  |                          |
|------------------------------|-------------------------------------|--|--------------------------|
| <b>Physical</b>              | <b>Dimensions</b>                   | 160(W) x 82(D) x 165(H)mm                      |                          |
|                              | <b>Weight</b>                       | 230g   |                          |
|                              | <b>Notification</b>                 | Speaker, vibration                             |                          |
|                              | <b>User Input</b>                   | Trigger on pistol grip                         |                          |
| <b>Imager</b>                | <b>Resolution</b>                   | 1280x800, monochrome, 30 frame/s               |                          |
|                              | <b>Read Distance</b>                | 1D   | Code39 100mils: ≥1200cm  |
|                              |                                     |  | Code39 55mils: ≥1100cm   |
|                              |                                     |  | Code39 40mils: ≥25-550cm |
|                              | <b>Read Distance</b>                | 2D   | DM 100mils: ≥1100cm      |
|                              |                                     |  | DM 55mils: ≥500cm        |
|                              |                                     |  | DM 10mils: ≥15-90cm      |
|                              | <b>Read Accuracy</b>                | 1D≥3mils; 2D≥6.8mils                           |                          |
|                              | <b>Read Speed</b>                   | Up to 30f/s self-adaption                      |                          |
| <b>Aiming &amp; Lighting</b> | 650nm laser aiming & 617nm lighting |  |                          |
| <b>Read Angle</b>            | Pitch 75°, Skew 45°                 |  |                          |
| <b>Environmental</b>         | <b>Operating Temperature</b>        | -20°C to 50°C (-4°F to 122°F)                  |                          |
|                              | <b>Storage Temperature</b>          | -30°C to 70°C (-22°F to 158°F)                 |                          |
|                              | <b>Humidity</b>                     | 5% to 95% (non-condensing)                     |                          |
|                              | <b>Static Discharge</b>             | ±15kV (air discharge), ±8kV (direct discharge) |                          |
|                              | <b>Drop</b>                         | 1.2m   |                          |
|                              | <b>Sealing</b>                      | IP65   |                          |
|                              | <b>Communication</b>                | <b>Host Terminal</b>                           | MT90                     |
| <b>Host Connection</b>       |                                     | 8-pin connector                                |                          |

Specifications are subject to change without notice