



**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 • Warehouse Management • Inventory

# EX90

## long range pistol grip

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<b>Physical</b>	Dimensions (mm)	160(W)× 82(D)×165(H)
	Weight	230 g
	Notification	Vibrator and speaker
	Battery	4500mAh
	user Input	Trigger on pistol grip
<b>Imager</b>	Resolution	1280×800, monochrome, 30 frame/s
	Read Distance	DOF for 1D
		Distance for 2D
		Code39 100mils: ≥1200cm
		Code39 55mils: ≥1100cm
		Code39 40mils: 25cm-550cm
		DM 100mils: ≥1100m
		DM 55mils: ≥500cm
	DM 10mils: 15cm-90cm	
Read Accuracy	1D≥3mils; 2D≥6.8mils	
Read Speed	Up to 30f/s self-adaption	
Aiming &Lighting	650 nm laser aiming & 617 nm lighting	
Read Angle	Pitch 75°, Skew 45°	
<b>Environmental</b>	Operating Temperature	-20°C~+50°C (-4°F~+122°F)
	Storage Temperature	-30°C~+70°C (-22°F~+158°F)
	Humidity	5% to 95% (non-condensing)
	Static Discharge	±15 kV (air discharge), ±8 kV (direct discharge)
	Drop	1.2m drops to concrete
	Sealing	IP65
<b>Communication</b>	Host Terminal	NLS-MT90
	Host Connection	8pin contact

Specifications are subject to change without notice.

Version: V1.0

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