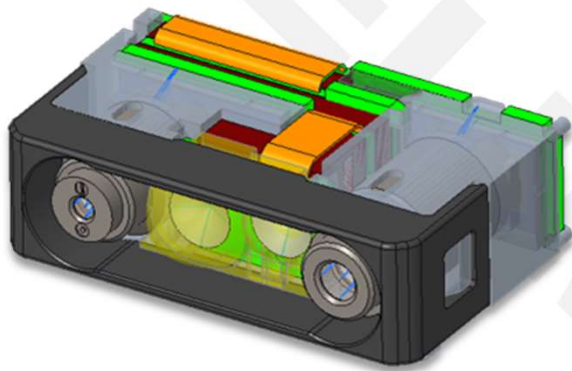


FlexRange FR Technical Specifications

The **FlexRange™** (6803FR) is Honeywell's 8th generation, breakthrough imaging platform. It's the optimal choice for workers who need to scan a wide variety of ranges with a single device. From a few inches to the top of the pallet rack, it enables virtually every use case in a single, compact, lightweight device that doesn't compromise range, ergonomics or speed.



KEY FEATURES:

- Dual lens design for simultaneous close and far image capture, enables innovative new applications such as *scene validation*
- No moving parts for near-instantaneous autofocus and the snappiest performance in its class
- Reads barcodes from 5-6 cm to 10 meters*
- Smallest and lightest long-range scanner enables long-range scanning in small devices
- Enhanced performance range enabling improved ergonomics for end users
- Enables standardization on single device to meet the needs of multiple workflows

* Performance depends on ambient light levels and barcode size and encoding

For more information

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Preliminary information; subject to change
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SYSTEM ARCHITECTURE

Scanner

Sensor resolution 1920x 800

Aimer: 650nm Laser Dot

FOV:

Near: 48 x 21 degrees

Far: 20 x 12 degrees

ENVIRONMENTAL

Temperature ranges

Operating: -25°C to 50°C (-13°F to 122°F)

Storage: -40°C to 70°C (-40°F to 158°F)

Humidity (operating & Storage): Up to 95% RH, non-condensing at 50°C (122°F)

Shock, Vibration: 18 shocks (3 shocks x 3 axes x 2 directions) to mounting surface at 3500 G (pulse peak) for 0.4 ms (full pulse width) at 23°C with at least 90% confidence of 95% reliability

MECHANICAL

Dimensions (L x W x H): 16.15mm x 23.5mm x 6.8mm

Weight: 3 grams

Standard Range – Typical (200 lux)

Symbology	Near Distance (MM/IN)	Far Distance (MM/IN)
5 mils Code 39	122 mm / 5 in	414 mm / 16.3 in
10 mils DM	135 mm / 5.3 in	419 mm / 17 in
10 mils Code 39	85 mm / 3.4 in	1368 mm / 54 in
13 mils UPCA	60 mm / 2.4 in	1600 mm / 63 in
15 mils Code 128	58 mm / 2.3 in	1894 mm / 75 in
20 mils Code 39	56 mm / 2.2 in	2645 mm / 104.1 in
100 mils DM (see Note 1)	-	5641 mm / 222.1 in
55 mils Code 39 (see Note 1)	-	7159 mm / 282 in
100 mils Code 39 (see Note 1 and Note 2)	-	10815 mm / 426 in

Note 1: Minimum distance depends on the length of the barcode

Note 2: Typical wide to narrow elemental ratio is 3:1. Minimum 100 mil code height of 3"

Standard Range – Guaranteed (200 lux)

Symbology	Near Distance (MM/IN)	Far Distance (MM/IN)
5 mils Code39	138 mm / 5.43 in	365 mm / 14.4 in
10 mils DM	152 mm / 6 in	387 mm / 15.23 in
10 mils C39	94 mm / 4 in	1198 mm / 47.2 in
13 mils UPCA	68 mm / 3 in	1437 mm / 57 in
15 mils Code 128	66 mm / 3 in	1571 mm / 62 in
20 mil Code 39	63 mm / 3 in	2161 mm / 85.1 in
100 mils DM (see Note 1)	-	4505 mm / 177.4 in
55 mils Code 39 (see Note 1)	-	6546 mm / 258 in
100 mils Code 39 (see Note 1 and Note 2)	-	9843 mm / 388 in

**THE
FUTURE
IS
WHAT
WE
MAKE IT**

Honeywell