

Ratings/Specifications

Item	Specifications
Measurement distance	0.5 to 4 m
Horizontal detection range (angle of view)	87° or above
Vertical detection range (angle of view)	67° or above
Resolution	QVGA (320×240 pixels)
Distance accuracy	±2% (±4 cm) or less ^{*4*5} at 2 m central part 10×10 pixels
Repeating accuracy	1% (2 cm) or less ^{*4*5} at 2 m central part 10×10 pixels
Frame rate	Approx. 10 fps ^{*4}
Power supply voltage	VDC24+/-10%
Power consumption (current consumption)	Average during measurement: 0.3 A ^{*4} Maximum: 3 A (Reference)
Ambient temperature	0 to +50°C Storage: -20 to +60°C (With no condensation or icing)
Ambient humidity	Operation/storage: 35 to 85%RH or less (With no condensation)
Vibration (durability)	10 to 150 Hz, 50 m/s ² , complex amplitude of 0.7 mm or less Scanning 3 times each in X, Y, Z directions for 8 min
Impact (durability)	300 m/s ² 3 times each in X, Y, Z directions
Appearance	Approx. 103×64.3×43.1 mm Approx. 108.6×64.3×43.1 mm (including the Connector)
Protective structure	IEC60529 IP10
Weight	Approx. 305 g
Materials	Frame: die-cast aluminum Cover: polycarbonate (PC) Filter: acrylic resin (PMMA) Heat sink: aluminum
Communications	USB2.0 CDC class
Starting time	30 seconds or less ^{*5}
Warm-up time	Approx. 30 minutes ^{*6}

^{*4} Distance accuracy and repeating accuracy are obtained under the following conditions:

- Based on OMRON's measurement environment
- Ambient temperature: 25°C
- Standard mode/LED light projecting frequency ID=8 (default)

^{*5} Time from power ON until communication is possible

^{*6} Time from power ON until performance becomes stable