





MODEL	Mid-40	Mid-100	Horizon	Tele-15
				
Scanning Pattern	Circular, Non-Repetitive	Circular, Non-Repetitive	Horizontal, High-Density, Non-Repetitive	Circular, Long-Range, High-Density, Non-Repetitive
Range <sup>1</sup> (@ 100 klx)	90 m @ 10% reflectivity 130 m @ 20% reflectivity 260 m @ 80% reflectivity	90 m @ 10% reflectivity 130 m @ 20% reflectivity 260 m @ 80% reflectivity	90 m @ 10% reflectivity 130 m @ 20% reflectivity 260 m @ 80% reflectivity	200 m @ 10% reflectivity 280 m @ 20% reflectivity 500 m @ 80% reflectivity
False Alarm Rate <sup>2</sup> (@ 100 klx)	< 0.01%	< 0.01%	< 0.01%	< 0.01%
Range Precision <sup>3</sup> (1 $\sigma$ )	2 cm	2 cm	2 cm	2 cm
Angular Precision (1 $\sigma$ )	< 0.05°	< 0.05°	< 0.05°	< 0.03°
Horizontal FoV	38.4°	98.4°	81.7°	14.5°
Vertical FoV	38.4°	38.4°	25.1°	16.1°
FOV Coverage <sup>4</sup>	20% @ 0.1 s, 68% @0.5 s, 93% @ 1 s	20% @ 0.1 s, 68% @0.5 s, 93% @ 1 s	60% @ 0.1 s, 98% @ 0.5 s	99.8% @ 0.1 s
Beam Divergence	0.28° (Vertical) × 0.03° (Horizontal)	0.28° × 0.03°	0.28° × 0.03°	0.12° × 0.02°
Points Per Second	~100,000	~300,000	~240,000 ~480,000(dual return)	~240,000 ~480,000(dual return)
Operating Voltage	10 ~ 16 V	10 ~ 16 V	10 ~ 15 V	10 ~ 15 V
Power Consumption	10 W (Startup 25W)	30 W (Startup 67W)	12 W (Startup 30W)	12 W (Startup 30W)
Dimensions (mm)	88×69×76	142×230×70	77×115×84 Without Fan 77×115×67	112×122×95 Without Fan 112×122×85
Weight	760 g	2200 g	1180g Without Fan 1000 g	1600 g Without Fan 1500 g
Operating Temp	-20° C to 65° C	-20° C to 65° C	-40° C to 85° C	-40° C to 85° C
Data synchronization	IEEE 1588-2008 (PTPv2) PPS (Pulse Per Second)	IEEE 1588-2008 (PTPv2) PPS (Pulse Per Second)	IEEE 1588-2008 (PTPv2) PPS (Pulse Per Second)	IEEE 1588-2008 (PTPv2) PPS (Pulse Per Second)
Interface	Ethernet	Ethernet	Ethernet	Ethernet
Laser	905 nm Class 1 eye safe	905 nm Class 1 eye safe	905 nm Class 1 eye safe	905 nm Class 1 eye safe
Water Resistance <sup>5</sup>	IP67	IP67	IP67	IP67

**Note:**

1. In daylight conditions of 100 kilolux. The result may vary under different test conditions. Please refer to user manuals for detailed information.

2. The proportion of false alarms generated by ambient stray light in daylight conditions of 100 kilolux.

3. The result may vary under different test conditions. Please refer to user manuals for detailed information.

4. Please refer to user manuals for detailed information.

5. Operating fan of Mid Series is rated IP55.