



LidarShield-1100™ Specification Sheet



Version 1.2

LidarShield-1100™ follows the same self-cleaning principles as the well-known ToughEye-1700™ line of cameras, providing industry-leading, zero maintenance, self-cleaning operation for LiDAR sensors (Ouster OS0 and OS1). It is suitable for any industrial application where maintaining a clear LiDAR lens without interruption and maintenance is critical to the success of the operation. LidarShield-1100™ incorporates a rugged standalone design, equipped with our field-proven and innovative ClearSight™ technology. Additionally, it increases the ruggedness of the sensors through its heavy-duty construction, its military-spec connector, and improved heating and cooling capabilities.

The LidarShield-1100™ family of optical shields excel at **ruggedness/reliability, zero-maintenance operation, and clarity.**

ExcelSense can customize LidarShield-1100™ installations for almost any application. Please inquire with info@excelsensetechnologies.com.



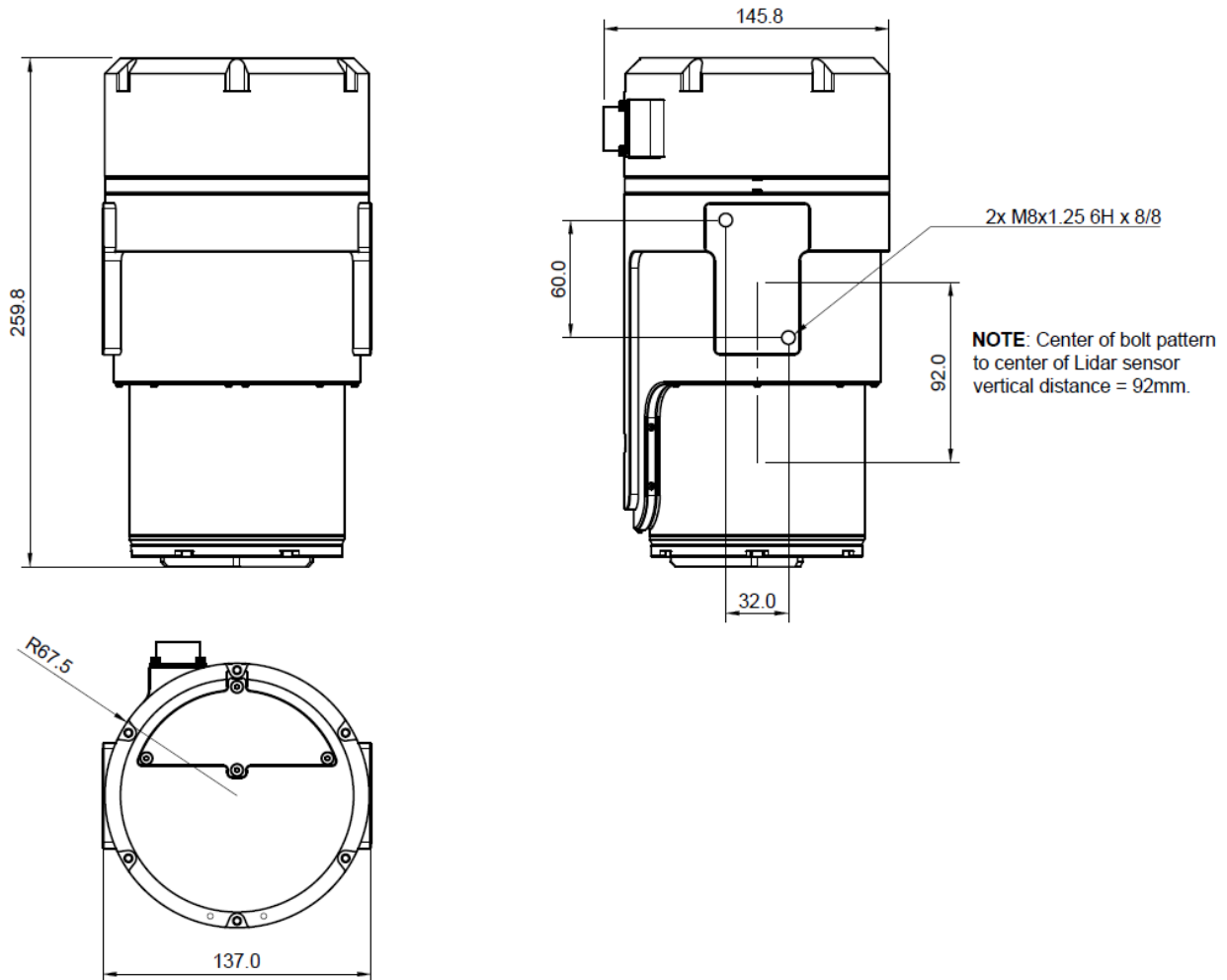
SPECIFICATIONS

Interruption-Free View	View uninterrupted during cleaning		
Cleaning Cycle Duration	40 seconds		
Cycle Rating	50,000 cycles		
FoV and Sensor Options	Name	Hor. FoV	Ver. FoV
	Ouster OS0	300°	90°
	Ouster OS1	300°	45°
	(customization available for other sensors)		
Range	To be finalized closer to product launch. Small reduction relative to unenclosed sensor expected.		
Dimensions	260 x 146 x 137 mm		
Weight	6.2kg [13.7 lb] without mount		
Cleaning Trigger	Configurable Timer Based, Electrical Trigger (using any voltage within input voltage range)		



Input Power	80 W ¹
Input Voltage	18-32 VDC
Temperature Range	-40°C to 60°C (All Versions)
IP Rating	IP69
Vibration Rating	LidarShield-1100™ Enclosure: MIL-STD-810G LiDAR sensor: refer to manufacturer specifications

MECHANICAL DRAWING



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¹ Total power draw of LidarShield-1100™ including embedded LiDAR sensor