



True View 435 Product Specifications

Utility Grade Sensor

Specification	Value
LIDAR Scanner	Hesai PandarXT
LIDAR Range - usable	80 m @ 20% reflectivity
Cross-track Field of View (FOV) - usable	120°
LIDAR Beams/Returns	16/2
Pulse Repetition Rate	640 kHz
Accuracy	Better than 5 cm, RMSE
Precision	Better than 5 cm at 1 σ
Dual Cameras (Port, Starboard)	$\pm 25^\circ$ cross-track oblique
Camera Sensor	1" mechanical shutter, hardware mid-exposure pulse, 20 MP, RGB
Camera Lens	28 mm f, 2.8 Max F Stop, fixed focus
Camera Cross-track FOV	63.6°
Camera Trigger	Interval or Distance
Mass	2.15 kg, with battery
Operating Time (per battery)	> 1 hr

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