



TV535 Specifications



Specification	Value
Data Collection	LiDAR + Imagery
Laser Scanner	Hesai M2X
LiDAR Range - Usable	120 m @ 20% reflectivity
LiDAR Beams>Returns per Beam	32/2
Cross-track Field of View (FOV)/Combined	120°
In-track FOV	40.3° (-20° to +19.5°)
Pulse Repetition Rate	640 kHz
Accuracy	Typical 3 cm*
Precision	Typical 3 cm*
Camera Sensor	Triple 1" mechanical shutter, hardware mid-exposure pulse, 60 MP combined, RGB
System Operation Temperature Range	-15° to 50° C
Mass	1.6 kg (payload unit only - no accessories including battery, mount, antenna, power adapter)

* 1 σ @ 50 m, nadir and with Strip Align