



SONY ILX-LR1

RGB Camera

The SONY ILX-LR1 camera, with its cutting-edge high-accuracy capabilities and expansive coverage, seamlessly integrates into Quantum Systems drones and allows direct camera control, while delivering exceptional image quality.



The camera harnesses advanced sensor technology and processing power, resulting in a compact and light-weight solution that elevates project efficiency. Additionally, users have the flexibility to customize settings to

suit any mission, reducing data load and streamlining workflows, while maintaining image quality. This makes it an ideal choice for commercial mapping missions.

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Technical Specifications



Sensor Resolution	61.0 MP (9504 x 6336 px)
GSD @100m AGL	1.57cm/px
GSD @120m AGL	1.88cm/px
Coverage @120m AGL	491 ha (1.88cm/px GSD, 70% overlap)
Coverage with 0.7cm/px GSD	184 ha (@45m AGL, 70% overlap)
Sensor type	Exmor R CMOS
Sensor format	35mm full frame
Sensor size	35.7 x 23.8 mm
Lens	f=24mm, F2.8
Payload weight (ready to fly)	600g

Sample Data



FLIGHT ALTITUDE
100m



GSD
1.57 cm/px



Area
60 ha



FLIGHT SPEED
17 m/s



Images
973



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