



TRINITY PRO

SONY ILX-LR1

# SONY ILX-LR1

## RGB Camera

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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 lightweight 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.

# SONY ILX-LR1

## Technical Specifications



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

## Sample Data



**FLIGHT ALTITUDE**  
100m | 328 ft. AGL



**GSD**  
1.57 cm/px



**AREA**  
60 ha



**OVERLAP**  
79%



**FLIGHT SPEED**  
17 m/s



**IMAGES**  
973



**FLIGHT TIME**  
17 min



**QUANTUM  
SYSTEMS**

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