

AIR4 RUGGED - SELECTED SENSOR PAYLOADS



RGB: 102MP Medium-Format Metric Sensor

Focal Length: 50 mm

Power Supply: 12 V - 27 V DC

Working Temperature: -20 ~ 65 °C

Total Pixels: 102 MP

Camera Memory: 512 GB x 2

Exposure Time Interval: 1.55 s

Minimum Focusing Distance: 25 m

Dimension: 70 mm x 76 mm x 109 mm

Weight¹: c. 698 g (includes gimbal)

- MLS mechanical global shutter
- Self-developed MLE lens
- Anti-condensation coating for shutter



Thermal: 4K AI 180x Hybrid Zoom Thermal Imaging Sensor

Lens: 30x Optical Zoom (180x Hybrid Zoom)

Thermal: 640 x 512 (temperature measuring)

Working Voltage: 11 to 25.2 V

Working Temperature: -10 ~ 50 °C

Image Sensor: 1/2.7 Inch, 8 MP effective resolution

Gimbal: 3-axis gimbal stabilizer

Aperture: F1.3 ~ 4.8 (±5%)

Dimension: 201 x 140 x 134.5 mm

Weight¹: c. 854g (includes gimbal)

- 2K ultra wide angle
- AI smart identify and tracking
- 1,200-meter range laser rangefinder
- Upside-down mode



SWIR: High Speed, Low Noise, Digital SWIR camera

Sensor Type: InGaAs PIN-Photodiode

Readout Noise (RMS): High Gain <30 e-

Power Supply: 12 V DC ± 0.5 V

Working Temperature: -20 ~ 55 °C

Gimbal: Custom - per request

Active Pixel: 640 x 512

Frame Rate: Up to 300 Hz

Dimension: 74.2 mm x 50 mm x 50 mm

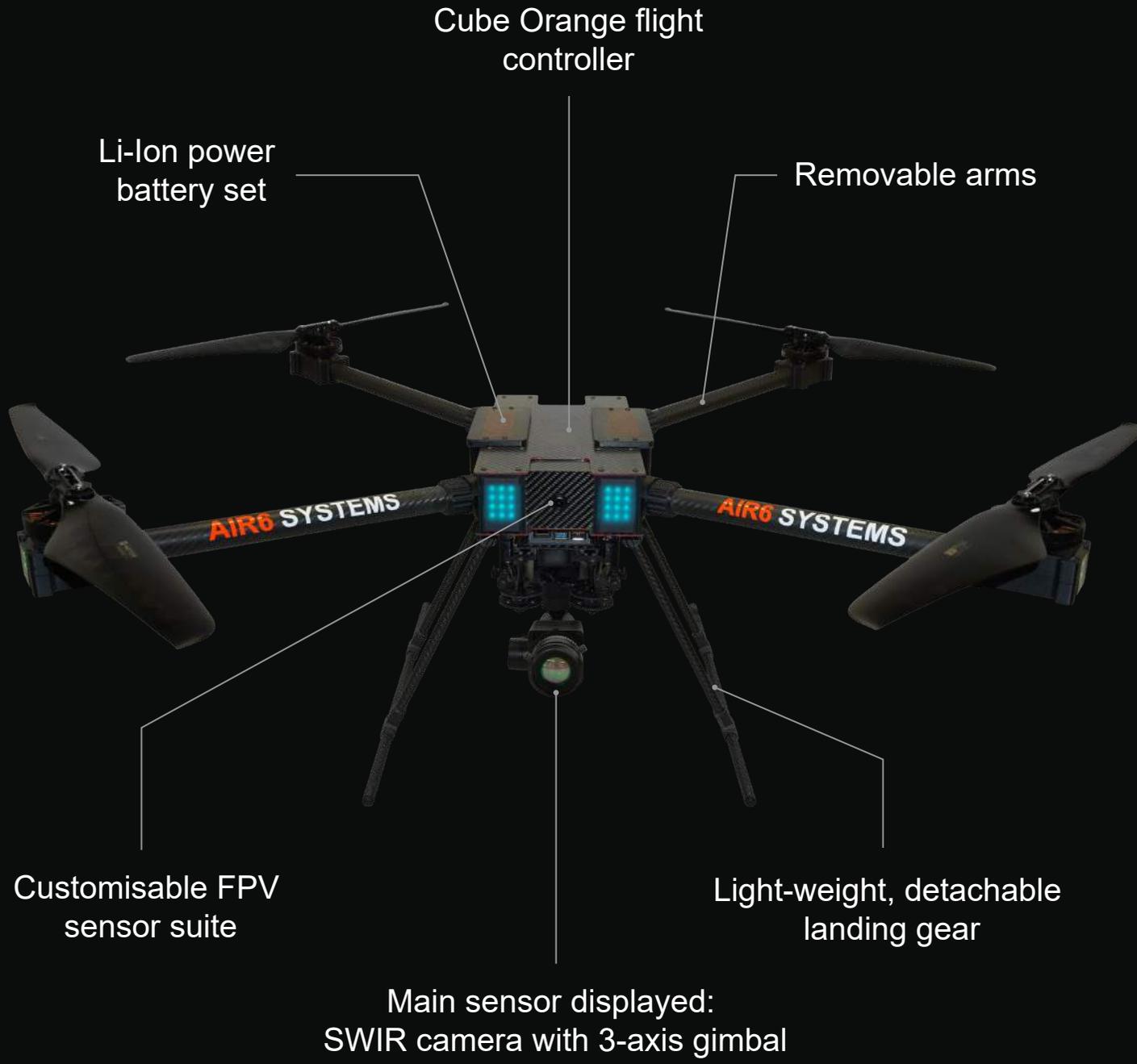
Weight¹: c. 615 g (includes gimbal)

Shutter Mode: Global Shutter

- Ultra high intrascene dynamic range (low noise)
- On-board automated gain control (AGC)
- Ultra compact, low power - for hand-held, mobile or airborne systems.

Note: (1) Indicative - may vary depending on gimbal options

AIR4 RUGGED



Aircraft

Weight (incl. batteries)	5,229 g
Max Take-off Weight	9,000 g
Recommended Payload	< 1,500 g (possible: 3,500 g)
Dimensions	760 x 800 x 3,900 mm
Operating Temperature	-20°C ~ 50 °C
Ingress Protection Rating	IP54
Flight Time	Up to 60 minutes
Operating Frequency	2.4 GHz, 5.725 - 5.850 GHz
GNSS	GPS / RTK L1, GLONASS, Galileo
Li-Ion battery	Extended charging cycles (up to 1,000x)
Capacity	9,000 mAh
Voltage	43.2 V
Payloads	Multiple payload options
Sensors	Built-in HD FPV camera
Operational Range	Up to 10 km

AIR6 SYSTEMS