

SPECIFICATIONS

ION M440 Kit Details

Standard Features

Air Vehicle

Two Lithium-Ion rechargeable smart batteries

Battery Charger

Softshell portable case

Pelican hard shipping case

Field repair kit

ION 440 H-GCS

ION M440 H-GCS (ATAK integrated)

Weight – with Payload 3.99lbs (1.8kg)

Dimensions – Folded 11.1" x 5.7" x 4.9" (28.2cm x 14.5cm x 12.4cm)

Dimensions – Unfolded 22.5" x 22" x 4.9" (56.4cm x 56cm x 12.4cm)

Payload

Wide EO Sensor 12.0 MP EO Sensor with 3.37mm 82° FOV Lens

Narrow EO Sensor 12.0 MP EO Sensor with 3.37mm 28° FOV Lens

IR Sensor 320 x 256 px FLIR BOSON 320 with 6.3mm 34° FOV lens

EO Sensor Zoom 4x optical, 10x digital

Time of Flight Sensor Forward Collision Avoidance

Performance

Endurance 35 min (MSL: 100 ft, Ambient Temp: 4.5-37.7 ° C)

Speed 23 mph (10.3 m/s)

Environment

Wind Tolerance 20kts (10.3 m/s)

Precipitation 0.25" per hour (0.64cm per hour)

Ambient Temp. Limit -20 ° C, +50 ° C

Data Link

Frequency 1800-1850 Mhz

Encryption AES 256

Protocol MAVLink

Range 3 km

Radio 1.8Ghz DDL



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