



HD59

HIGH-PERFORMANCE COST-EFFICIENT SYSTEM FOR MID-SIZED UAS



HD59-MLVV-C



SUPERIOR SWAP-C

Optimized for size, weight, power, and cost



ENVIRONMENTALLY SEALED

IP65 rated for protection against dust and water



EXPORT REGULATIONS

Export classification status under review



SUPERIOR OBJECT ID

Delivers the best EO and IR identification range in its class



ONBOARD EDGE PROCESSING

Instant real-time detections



ROBUST DESIGN

Capable of withstanding high launch forces

TRACKING

- Onboard scene tracking
- Onboard geo tracking
- Onboard target tracking

GEOLOCATION

- IMU co-located with cameras
- 0.5° (typical) total system accuracy
- Real time geointing and geolocation
- Onboard GPS receiver or platform provided GPS compatible

ELECTRICAL

- Control over Ethernet or serial
- 20W average, 100W peak power consumption
- 24VDC regulated input, external regulation accepting 10V to 30V available

MECHANICAL

- Pan: 360° Continuous
- Tilt: -80° to 27°
- 0.02° encoder resolution

SOFTWARE

- Onboard h.264/h.265 compression with adjustable bitrate
- MISB-compliant output including embedded KLV metadata
- Field upgradeable software
- Onboard electronic stabilization
- Ethernet video

CAMERA CONFIGURATIONS

*Raw USB Video

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV/DFOV	ZOOM (O+D)	LASER
HD59-MVV-C	2000g 4.4lbs	147 x 202mm 5.8 x 7.9in	MWIR 640 x 512 Visible 1920 x 1080	20.2° - 1.6° - 0.8° 30.2° - 1.0° - 0.2°	26X (13x+2x) 180X (30x+6x)	LP LRF
HD59-MLVV-C	2000g 4.4lbs	147 x 202mm 5.8 x 7.9in	MWIR 640 x 512 LWIR 640 x 512 Visible 1920 x 1080	20.2° - 1.6° - 0.8° 32° - 16° 30.2° - 1.0° - 0.2°	26X (13x+2x) 2X (1x+2x) 180X (30x+6x)	LP LRF