

LOW SWAP-C CAMERA SYSTEM FOR GROUP 1 AND 2 UAS



HD25-LV

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MISSION PROVEN
TRL 9 for military and commercial applications
- 

ENVIRONMENTALLY SEALED
Highly resistant to dust and water
- 

ITAR FREE
Non-controlled configurations
- 

EMBEDDED VIDEO PROCESSING
Electronic stabilization and scene tracking
- 

HD DIGITAL VIDEO
Fully digital, h.264-compliant video pipeline
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ROBUST DESIGN
Built for Launched Effects systems

TRACKING

- Onboard scene tracking
- Onboard geo tracking
- Optional target tracking with external module

GEOLOCATION

- IMU co-located with cameras
- 1.5° (typical) total system accuracy
- Real time geopointing and geolocation
- Onboard GPS receiver or platform provided GPS compatible

ELECTRICAL

- Control over Ethernet or serial
- 10W average, 75W peak power consumption
- 24VDC regulated input, external regulation accepting 10V to 30V available

MECHANICAL

- Pan: 360° Continuous
- Tilt: -80° to 42°
- 0.02° encoder resolution

SOFTWARE

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

CAMERA CONFIGURATIONS

* Digital Zoom included. For strictly optical numbers, see ICD

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV	ZOOM*
HD25-XV	340g 0.75lbs	71 x 109mm 2.8 x 4.29in	Visible 1280 x 720	13.7°–4.6°	8X
HD25-LV	350g 0.79lbs	71 x 109mm 2.8 x 4.29in	Visible 1280 x 720 LWIR 640 x 512	13.7°–4.6° 24.1°	8X 4X