

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



HD25-LV



MISSION PROVEN

TRL 9 for military and commercial applications



ITAR FREE

Non-controlled configurations



HD DIGITAL VIDEO

Fully digital, h.264-compliant video pipeline



ENVIRONMENTALLY SEALED

Highly resistant to dust and water



EMBEDDED VIDEO PROCESSING

Electronic stabilization and scene tracking



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

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV/DFOV	ZOOM (O+D)
HD25-XV	350g 0.78lbs	71 x 109mm 2.8 x 4.29in	Visible 1280 x 720	13.7°-4.6° -1.2°	12X (3x+4x)
HD25-LV	350g 0.78lbs	71 x 109mm 2.8 x 4.29in	Visible 1280 x 720 LWIR 640 x 512	13.7°-4.6° -1.2° 24.1° - 12.15°	12X (3x+4x) 2X (1x+2x)