



HD45

MAXIMUM OPTICS. MINIMUM SWAP-C. PURPOSE-BUILT FOR GROUP 2.



HD45-LV-CZ-GS



SUPERIOR OPTICS

Increased IR sensitivity provides sharper imagery



ITAR FREE

Non-controlled configurations



HD DIGITAL VIDEO

Fully digital, h.264-compliant video pipeline



ENVIRONMENTALLY SEALED

IP65 rated for protection against dust and water



EMBEDDED VIDEO PROCESSING

Electronic stabilization and scene tracking



ROBUST DESIGN

Capable of withstanding high impact forces

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 geointing and geolocation
- Onboard GPS receiver or platform provided GPS compatible

ELECTRICAL

- Control over Ethernet or serial
- 15W 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 video

CAMERA CONFIGURATIONS

CONFIGURATION	WEIGHT	DIMS (W X H)	Global Shutter		Options available	
			CAMERAS	FOV/DFOV	ZOOM (O+D)	LASER*
HD45-LV-CZ-GS	1375g 3lbs	133 x 197mm 5.24 x 7.75in	Visible 1280 x 720 ¹ LWIR 640 x 512	46.8° - 4.9° - 1.2° 29° - 5.9° - 3°	40X (10x+4x) 10X (5x+2x)	LP