



HD45

LOW SWAP-C DESIGN WITH EXCEPTIONAL OPTICS FOR GROUP 1,2, AND LE



HD45-LV-CZ



SUPERIOR OPTICS

Increased IR sensitivity provides sharper imagery



ITAR FREE

Non-controlled configurations



HD DIGITAL VIDEO

Fully digital, h.264-compliant video pipeline



MISSION PROVEN

TRL 9 for military and commercial applications



EMBEDDED VIDEO PROCESSING

Electronic stabilization and scene tracking



ROBUST DESIGN

Built for Launched Effects (LE) 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
- 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 and analog video

CAMERA CONFIGURATIONS

*Options available

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV/DFOV	ZOOM (O+D)	LASER
HD45-LV-CZ	1280g 2.8lbs	134 x 197mm 5.28 x 7.75in	Visible 1280 x 720 LWIR 640 x 512	13.7° - 4.6° - 1.2° 29° - 5.9° - 3°	12X (3x+4x) 10X (5x+2x)	LP
HD45-LV-CZ-GS	1350g 3lbs	133 x 197mm 5.24 x 7.75in	Visible 1280 x 720 (global shutter) LWIR 640 x 512	46.8° - 4.9° - 1.2° 29° - 5.9° - 3°	40X (10x+4x) 10X (5x+2x)	