



HD55-MVS-LD

MARKET LEADING EO/IR SYSTEM WITH LASER TARGET DESIGNATOR



HD55-MVS-LD

LASER TARGET DESIGNATOR
STANAG compliant coded laser

SUPERIOR GEOLOCATION
Less than 6m accuracy onboard

ONBOARD GPS/INS
Accurate real-time vehicle and target location

EMBEDDED VIDEO PROCESSING
Electronic stabilization and scene tracking

HD DIGITAL VIDEO
Fully digital, h.265-compliant video pipeline

ENVIRONMENTALLY SEALED
Highly resistant to dust and water

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
- 95W average, 162W peak power consumption
- 24VDC regulated input, external regulation accepting 10V to 30V available

MECHANICAL

- Pan: 360° Continuous
- Tilt: -80° to 40°
- 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

LASERS

LASER TARGET DESIGNATOR

- 50mJ/pulse power
- Supports PRF codes
- STANAG 3733 compliant
- Class IV, 1064nm laser

LASER RANGE FINDER

- 1550nm laser
- Class I, eye safe
- 3km max range

LASER POINTER

- 830nm laser
- Class IIIB
- 1µRAD divergence
- 50mW power

CAMERA CONFIGURATIONS

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

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV	ZOOM*	LASERS
HD55-MVS	2700g 5.95 lbs	152 x 248.7mm 5.98 x 9.8in	Visible 1280 x 720	13.7°-4.6°	8X	LD
			MWIR 640 x 512	21.7° - 2.2°	10X	LRF
			SWIR 640 x 512	5.7°	1X	LP