trillium

HD80-MVS

HIGH PERFORMANCE SYSTEM WITH LASER TARGET DESIGNATOR

HD80-MVS-LD

LASER TARGET DESIGNATOR
STANAG compliant coded laser

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

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

SUPERIOR GEOLOCATION
Less than 6m accuracy onboard

EMBEDDED VIDEO PROCESSING
Electronic stabilization and scene tracking

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

ELECTRICAL

- Control over Ethernet or serial
- 25W average, 100W peak power consumption
- 10V to 30V input voltage

MECHANICAL

- Pan: 360° Continuous
- Tilt: -90° to 60°
- 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
- STANAG 3733 compliant
- Class IV, 1064nm laser

LASER RANGE FINDER
- 1550nm laser
- Class I, eye safe

LASER POINTER
- 830nm laser
- Class IIIB
- 1.2µRAD divergence
- 190mW power

CAMERA CONFIGURATIONS

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV/DFOV	ZOOM (O+D)	LASER
HD80-MVS	5350g 11.8lbs	191 x 276mm 7.52 x 10.86in	MWIR 640 x 512 Visible 1920 x 1080 SWIR 640 x 512	21.7° - 1.5° - 0.8° 57.8° - 1.8° - 0.3° 5.7° - 2.9°	28X (14x+2x) 192X (32x+6x) 2X (1x+2x)	LP LRF LD

HOOD RIVER, OR 97031 | +1-509-281-3332 | TRILLIUMENG.COM | SALES@TRILLIUMENG.US