trillium

HD25

STREAMLINED, LOW-SWAP-C IMAGING FOR GROUP 1 AND LE

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
IP65 rated for protection against 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
- XV/LV Tilt: -80° to 42°
- LV-C Tilt: -80° to 46°
- 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 0.77lbs	71 x 109mm 2.8 x 4.29in	Visible 1280 x 720	13.7°–4.6° -1.2°	12X (3x+4x)
HD25-LV	350g 0.77lbs	71 x 109mm 2.8 x 4.29in	Visible 1280 x 720 LWIR 640 x 512	13.7°–4.6° -1.2° 24.1° - 12.1°	12X (3x+4x) 2X (1x+2x)
HD25-LV-C	390g 0.86lbs	71 x 109mm 2.8 x 4.29in	Visible 1280 x 720 LWIR 640 x 512	13.7°- 4.6° - 1.2° 24.1° - 12.1°	12X (3x+4x) 2X (1x+2x)

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