

## MARKET LEADING LIGHTWEIGHT EO/IR SYSTEMS FOR GROUP 2 UAS



**HD55-LV-CZ**

### ELECTRICAL

- Control over Ethernet or serial
- 20W average, 100W peak power consumption
- 24VDC regulated input, external regulation accepting 10V to 30V available



#### SUPERIOR OPTICS

Increased IR sensitivity provides sharper imagery



#### ITAR FREE

Non-controlled configurations



#### HD DIGITAL VIDEO

Fully digital, h.264/.265-compliant video pipeline



#### SUPERIOR GEOLOCATION

Less than 6m accuracy onboard



#### EMBEDDED VIDEO PROCESSING

Electronic stabilization and scene tracking



#### MISSION PROVEN

TRL 9 for military and commercial applications

### 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

### MECHANICAL

- Pan: 360° Continuous
- MV & VV Tilt: -80° to 40°
- LV Tilt: -80° to 65°
- 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

### CAMERA CONFIGURATIONS

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

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV	ZOOM*	LASER**
HD55-VV	1275g 2.81lbs	140 x 199mm 5.51 x 7.83in	Visible 1920 x 1080 Visible 1280 x 720	38.9°-1.43° 13.7° - 4.6°	72X 4X	
HD55-LV-CZ	1550g 3.42 lbs	140 x 208mm 5.51 x 8.19in	Visible 1280 x 720 LWIR 640 x 512	47.7°-1.8° 29° - 5.9°	60X 10X	LP LRF
HD55-LVV-CZ	1550g 3.42 lbs	140 x 208mm 5.51 x 8.19in	Visible 1280 x 720 Visible 1280 x 720 LWIR 640 x 512	41.3° - 14.3° 47.7°-1.8° 29° - 5.9°	4X 60X 10X	LI LP
HD55-MV	1850g 4 lbs	140 x 199mm 5.51 x 7.83in	Visible 1280 x 720 MWIR 640 x 512	13.7° - 4.6° 21.7° - 2.2°	8X 10X	LP LD LRF