

HIGH PERFORMANCE GIMBAL PURPOSE BUILT FOR GROUP 3 UAS



HD80-MV-LP-LRF

ELECTRICAL

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



CLASS LEADING SWAP-C

Highest performing, lightest weight gimbal in 8" size



ITAR FREE

Non-controlled configurations



HD DIGITAL VIDEO

Fully digital, h.264/h.265 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
- VV-510 Tilt: -80° to 20°
- MV-36X Tilt: -80° to 45°
- MV-600 Tilt: -80° to 80°
- 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 and analog video

CAMERA CONFIGURATIONS

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

| CONFIGURATION | WEIGHT | DIMS (W X H) | CAMERAS | FOV | ZOOM* | LASERS** |
|---------------|-------------------|-------------------------------|--|----------------------------|------------|-----------------|
| HD80-VV-510 | 4270g 9.41lbs | 191 x 276mm 7.52 x 10.87in | Visible 1280 x 720 Spotter 1280 x 720 | 51.3°-1.7° 0.4° | 60X 1X | |
| HD80-MV-36X | 4670g 10.29lbs | 191 x 276mm 7.52 x 10.87in | Visible 1920 x 1080 MWIR 640 x 512 | 57.8° - 1.8° 22° - 1.5° | 72X 15X | LP LD LRF |
| HD80-MV-600 | 4900g 10.8bs | 191 x 281mm 7.52 x 11.06in | Visible 1280 x 720 MWIR 640 x 512 | 54°- 4.9° 18.2° - 0.9° | 10X 20X | LP |