

## HIGH PERFORMANCE GIMBAL PURPOSE BUILT FOR GROUP 3 UAS



### HD80-MV-600

#### 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 available



#### 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



#### ENVIRONMENTALLY SEALED

IP65 rated for protection against 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

#### MECHANICAL

- Pan: 360° Continuous
- VV Tilt: -80° to 20°
- MV 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

<sup>1</sup>Global Shutter

\*Options available

CONFIGURATION	WEIGHT	DIMS (W X H)	CAMERAS	FOV/DFOV	ZOOM (O+D)	LASER*
HD80-VV	4300g	191 x 276mm	Visible 1280 x 720	47.7° - 1.7° - 0.4°	112X (28x+4x)	
	9.5lbs	7.5 x 10.9in	Visible 1280 x 720 <sup>1</sup>	0.4° - 0.1°	4X (1x+4x)	
HD80-MV	4700g	191 x 276mm	Visible 1920 x 1080 <sup>1</sup>	57.8° - 1.8° - 0.3°	192X (32x+6x)	LP
	10.4lbs	7.5 x 10.9in	MWIR 640 x 512	21.7° - 1.5° - 0.8°	28X (14x+2x)	LRF
HD80-MV-600	4900 g	191 x 281mm	Visible 1280 x 720 <sup>1</sup>	46.8° - 4.9° - 1.2°	40X (10x+4x)	LP
	10.8lbs	7.5 x 11in	MWIR 640 x 512	18.2° - 0.9° - 0.5°	40X (20x+2x)	