



TEAM 5 M1

SHOTOVER M1

The Shotover M1 delivers the same unparalleled 6-axis gyro-stabilized performance as the larger K1 and F1 gimbals but in a more compact and lightweight package. It can house a wide range of cameras and lenses for both broadcast and cinema projects. The compact size and weight mean that it can be transported more easily and in a ready-to-fly configuration. It can be mounted on numerous aircraft and ground-based vehicles, and due to its footprint, is useful for longer endurance missions or on lighter aircraft.

M1 System Features

- 6-axis gyro stabilized with look-down capability
- Ultra-lightweight and rugged 6061-T6 aircraft aluminum structure
- Compact size and weight allows affordable transport as freight or excess baggage
- Angled front window for brilliant imagery without flares
- No ITAR restrictions or EAR licensing requirements
- No auxiliary box or power conditioner required
- 3x SDI or fiber video options
- Quickly and easily interchange multiple cameras and lenses
- Inverted operation using auto-position detectors

SHOTOVER M1

Specifications

STABILIZATION

- 6-axis with no gimbal lock
- High performance non-ITAR sensors
- Distributed Multi-processor closed loop servo control system
- Proprietary control gimbal algorithms

DATA / COMMUNICATION

- SDI or Fiber Optic Video Options
- CAN Bus
- RS 422 Serial Bus
- Ethernet

POWER

- 24-60 VDC
- 10 Amps Max draw (at 28V)

OPERATOR CONTROL UNIT

- 20-58 VDC
- Customizable video overlay (Monitor Output)
- Recess for camera remotes such as: Ikegami RM-70F
- Custom control layouts available upon request

LENS OPTIONS

- Angenieux HR 25-250mm
- Angenieux 45-120mm
- Angenieux 15-40 / 28-76
- Canon 30-300mm
- Canon 50-1000mm
- Fujinon Premista 80-250mm
- Fujinon Premier 18-85mm
- Fujinon Cabrio 85-300mm
- Fujinon Cabrio 19-90mm
- Panavision 4PZW 28-80mm
- Panavision 4PZM 70-185mm
- Other options available

GIMBAL FIELD OF VIEW

- Pan: 360 degrees continuous (via electrical and optical rotary joints)
- Tilt: +50 to -110 degrees
- Roll: +/-75 degrees (steerable or auto horizon)
- Max slew rate: 100 deg/sec

WEIGHT

- Turret with payload 18.9 kg (41.6 lbs)
- Operator control unit 2.5 kg (5.5 lbs)
- External cable set: 1.0 kg (2.2 lbs)

ENVIRONMENTAL

- Operating Temperature: -20 to +40 degrees C

CAMERA OPTIONS

- RED DSMC2
- RED Komodo
- ARRI Alexa Mini
- ARRI Alexa Mini LF
- Sony F55
- Other options available

OPTIONS

- Integration with moving map platforms
- Break out FI+Z control with Preston HU3
- Force Joystick
- Rain Spinner