



# TEAM 5 K1

## SHOTOVER K1 Redefining Performance

Shotover gimbals have become firmly established as the next generation of technology for aerial camerawork, with the K1 leading that field. Its six-axis gyro-stabilized platform, with straight-look-down capability, delivers unshakable stability and superior image. It can capture difficult angles, while in aggressive flight maneuvers that other gimbals simply cannot match. The K1 has the highest payload capacity and some of the greatest flexibility among gimbals with its open-architecture design accommodating an almost limitless range of camera and lens setups. Without export restrictions, this system can be shipped anywhere in the world to meet your needs.

### K1 System Features

- 6-axis gyro stabilized with look down capability
- Open-architecture allows for creative freedom. Quickly interchange almost any camera or lens combination
- Capture remarkable 3D footage easily using the SHOTOVER 3D with adjustable I/O option\*
- Windowless operation for brilliant imagery without reflections
- No ITAR restrictions or EAR licensing requirements
- Low-weight carbon fiber structure with lighter gross weight than other systems
- Fiber optic video data transfer for clean 3GHz imagery
- State of the art electronics and design techniques deliver unshakable stability and ultimate functionality
- Remote controlled polarized filter rotation, rain deflector and other accessories available

# SHOTOVER K1

## 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

- Fiber Optic lines
- CAN Bus
- RS 422 Serial Bus
- Ethernet

### POWER

- 19-72 VDC
- 20 Amps Max draw (at 28V)

### OPERATOR CONTROL UNIT

- Lightweight
- Customizable video overlay (Monitor Output)
- Adaptable to camera remotes such as: Sony RM-B750, Arri RCU-4
- Other control layouts available upon request

### LENS OPTIONS

- Angenieux HR 25-250mm T3.5
- Angenieux DP 25-250mm T3.2
- Angenieux Optimo 24-290mm T2.8
- Angenieux Optimo 28-340mm T3.2
- Angenieux Optimo 17-80mm T2.2
- Panavision 24-275mm T2.8
- Fuji Premier 14.5-45mm T2
- Fuji Premier 18-85mm T2
- Arri Fuji Alura 18-80mm T2.6
- Panavision 17.5-75mm T2.3
- Panavision 19-90mm T2.8
- Fuji Premier 24-180mm T2.6
- Fuji Premier 75-400mm T2.8
- Canon 14.5-60mm T2.6
- Canon 30-300mm T2.9
- Arri Fuji Alura 45-250 T2.6

### GIMBAL FIELD OF VIEW

- Pan: 360 degrees continuous (via electrical and optical rotary joints)
- Tilt: +60 to -140 degrees
- Roll: +/-85 degrees (steerable or auto horizon)
- Maxi slew rate: 100 deg/sec

### WEIGHT

- Turret with max 3D payload\*\* approx. 110kg (240lbs)
- Turret with min 2D payload\*\*\*approx. 80kg (175lbs)
- Operator control unit 2.7kg (6lbs)
- Junction control box 4kg (9lbs)
- External cable set: 2.5kg (5.5lbs)

### ENVIRONMENTAL

- Operating Temperature: -20 to +50 degrees C

### CAMERA OPTIONS

- Standard Alexa
- Alexa M-Single Fibre
- RED Epic X / Dragon
- Sony F55
- Sony F65
- Canon C500

### OPTIONS

- Geo referenced overlay
- Integrates with third party geo mapping
- Remote controlled rotating polarizer
- Rain deflector

\* I/O adjustable from 14.6 to 25.4cm (5.75 to 10in)

\*\* Payload= (2) Alexa standard and Optimo 24-290 lenses

\*\*\* Payload= (1) Red Epic and (1) Alura 18-80