

SHOT K1

Award-Winning Aerial Filming Gimbal



A 6-axis gyro stabilized gimbal platform, renowned for unshakable stability and cutting-edge Ultra HD image quality in 2D or 3D, featuring straight look-down capability. Its open architecture facilitates seamless camera and lens interchangeability, further enhanced by a 25% increase in payload volume, an improved camera and lens mounting system, and simplified integration for dual camera setups. Sharing the same electronic foundation as our M1, B1, and M2 gimbals, the K1 seamlessly benefits from continuous software/firmware enhancements and easily integrates with our exclusive Augmented Reality Software.

The modular carbon fiber construction ensures streamlined global transport as commercial flight excess baggage, unaffected by ITAR export restrictions.

K1 SYSTEM FEATURES

- 6-Axis Stabilization: Exceptional "look down" capability & no gimbal lock
- Rapid Interchangeability: Quickly switch almost any cameras and lenses
- Open Architecture: Complete creative freedom
- Increased Payload Volume: 25% increase
- Enhanced Integration: Improved dovetail for camera/lens mounting, simplified dual camera setup
- AR Mapping Integration: Augmented Reality Mapping ready
- No ITAR Restrictions
- Flare-Free Imagery: Angled window for clarity
- Versatile Top Plate: Adaptable across air, land, sea
- No ITAR Restrictions: No ITAR, no EAR licensing
- Lightweight & Compact: Low-weight carbon fiber structure
- Efficient Transport: Cost-effective as freight or baggage
- Versatile Fiber Optics: 6 channel fiber optics
- Unshakable Stability: State of the art electronics and design techniques
- Instant Operator Feedback: Customizable graphics overlay
- Precision Steering: Auto/steerable horizon modes
- SHOTOVER Controller Compatibility: SHOTOVER Gen5 Controller, wheels, Jib controls
- Accessory Options: Remote-controlled polarized filter rotation, rain deflector, more
- Continuous Improvement: Ongoing software/firmware enhancements

1.11.24



SHOTOVER HQ 5660 Airport Blvd., Suite 101 Boulder CO, 80301 NEW ZEALAND 133 Glenda Drive Queenstown, 9300

UNITED KINGDOM Unit A3 Belmore Hill Court, Belmore Lane, Owslebury Hampshire, UK, SO21 1JW SALES +1 720 680-2457 info@shotover.com CUSTOMER SUPPORT

+1 720 744-3300 | Dial 1 when prompted support@shotover.com

CAMERA & LENS COMBINATIONS

The K1's modular design accommodates diverse combinations of cameras and lenses, including the largest currently available on the market and surpassing options listed below. As new models become available, custom payloads can often be assembled using components from the existing kit or specially designed and manufactured when needed.



= with HDx35 adaptor = with or without IBE 1.4x

= with Jetpack SDI Expander

● = IBE 2x

RED DSMC1: Epic-M, Epic-X, Epic Monochrome, Scarlet, Epic Dragon, Scarlet Dragon RED DSMC2: Weapon 6K, Scarlet Weapon, Epic-W S35, Weapon 8K S35, Weapon 8K Vista Vision, Scarlet-W 8K *The standard K1 configuration includes everything necessary to integrate the above camera and lens combinations with the exception of the Canon C500, Arri Alexa M, and Phantom Flex 2K. The K1 can fit payloads up to 760 mm in length.

Please note cameras and lenses not included. This list is not all inclusive.

Please contact sales@shotover.com for additional combinations

GIMBAL CONTROLLER

In conjunction with system users, our engineers meticulously designed the SHOTOVER gimbal controller. It provides the highest level of functionality with ideal placement of controls.

- Force Joystick Option
- Iris Wheel control on the side and top of controller
- Adjustable friction drag control for Iris Wheel and Focus Knob
- White Mark-up Ring added to Focus Knob
- Roll Rocker added, selectable control between Rocker and Joystick Twist
- Wrist Support with quick disconnect
- Common Camera Control Connector, with cables supplied for integration with
- Arri RCU-4, Sony RM-B750, Canon RC-V100
- Dual 5V USB A Ports for powering Accessories (including smartphones)
- Mount Holes on top & rear faces for accessories & monitor mounting



K1 SYSTEM SPECIFICATIONS

STABILIZATION

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

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) Max slew rate: 100 deg/sec

DATA / COMMUNICATION

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

WEIGHT

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) Fujinon 25-300 and Arri/Fujinon Alura 45-250 lens cases 61kg (134lbs)

Turret with max 3D payload** approx. 110kg (240lbs)

POWER

19-32 VDC

20 Amps Max Draw (at 28V)

ENVIRONMENTAL

Operating Temperature: -20 to +50 degrees C

OPERATOR CONTROL UNIT

Customizable video overlay (Monitor Output) Recess for camera remotes such as:

Sony RM-B750 Arri RCU-4

Canon RC-V100

Other control layouts available upon request

Manufacturer reserves the right to change specification to reflect improvements and or changes in technology at any time



SHOTOVER HQ 5660 Airport Blvd., Suite 101 Boulder CO, 80301

NEW ZEALAND Queenstown, 9300

UNITED KINGDOM Hampshire, UK, SO21 1JW SALES

+1 720 680-2457 info@shotover.com

CUSTOMER SUPPORT +1 720 744-3300 | Dial 1 when prompted support@shotover.com