



SHOTOVER | B1 CREATIVE



COMPACT CUTTING EDGE TECHNOLOGY

Featuring a lightweight 6-axis design that allows for its use on a range of aircraft including Robinson helicopters and Cessna airplanes, the B1 provides the versatility filmmakers desire to bring their vision to life whether it be a feature film or wildlife documentary. In addition to aerial platforms, the system can also be mounted on watercraft and ground-based platforms such as cable cams, jet skis, small boats and rails.

B1 SYSTEM FEATURES

- Ultra-lightweight and rugged 6061-T6 aircraft aluminum structure
- SHOTOVER Generation5 technology delivers unshakable stability and ultimate functionality
- 6-axis gyro stabilized with unequaled look down capability and no gimbal lock
- High Definition and Ultra High Definition (4K) camera and lens options
- Incredible low light and daylight performance
- Able to ship with payload installed
- Extremely compact size and light weight design allows for a wide range of applications
- No ITAR restrictions or EAR licensing requirements
- Various top plate options are available to easily allow mounting on various platforms - land, sea and air
- Integration with Augmented Reality Mapping available
- Angled front window for brilliant imagery without reflections
- 3x SDI or fibre video options
- Customizable graphics overlay for real time operator feedback
- Auto or Steerable horizon with the most advanced steering capabilities on the market
- Inverted operation using auto-position detectors for "right way up payload"

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.

Features of the Gimbal Controller include:

- Layout allows fast transition from heritage systems
- Recessed cable connections for increased cable life
- Master rate control for rapid adjustment
- Integrated 15VDC 120W Monitor Power Supply
- Force Joystick Option
- Iris Wheel control on the side and top of controller
- LED display with customizable switches
- Ergonomic Wrist Support
- Fully integrated camera control units; Ikegami RM-70F
- Break out FI+Z control with Preston HU3
- Dual 5V USB A Ports for powering Accessories (including smartphones)
- Mount Holes for accessories & monitor mounting



SHOTOVER
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B1 GIMBAL 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: +50 to -110 degrees
Roll: +/-85 degrees (steerable or auto horizon)
Max slew rate: 100 deg/sec

DATA / COMMUNICATION

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

WEIGHT

Turret with payload < 22kg (50lbs)
Operator control unit 2.5kg (5.5lbs)
External cable set: 1.0kg (2.2lbs)

POWER

24-60 VDC
7 Amps Max Draw (at 28V)

ENVIRONMENTAL

Operating Temperature: -20 to +50 C

GIMBAL CONTROLLER

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

CAMERA & LENS COMBINATIONS

Payload combination may impact compatibility on certain aircraft due to mount STC limitations.

	Fujinon UA 24x7.8	Fujinon Cabrio 19-90	Fujinon Cabrio 20-120	Fujinon Cabrio 85-300	Canon CN7x17	Canon CN10x25	Canon CJ28x18	RS Series
Ikegami F4000 (4K)	●						●	
RED® KOMODO™		●	●	●	●	●		
Phase One Series								●

