

# SHOTOVER | B1



## 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 unequalled 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 fitted
- 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 Option
- 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

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)

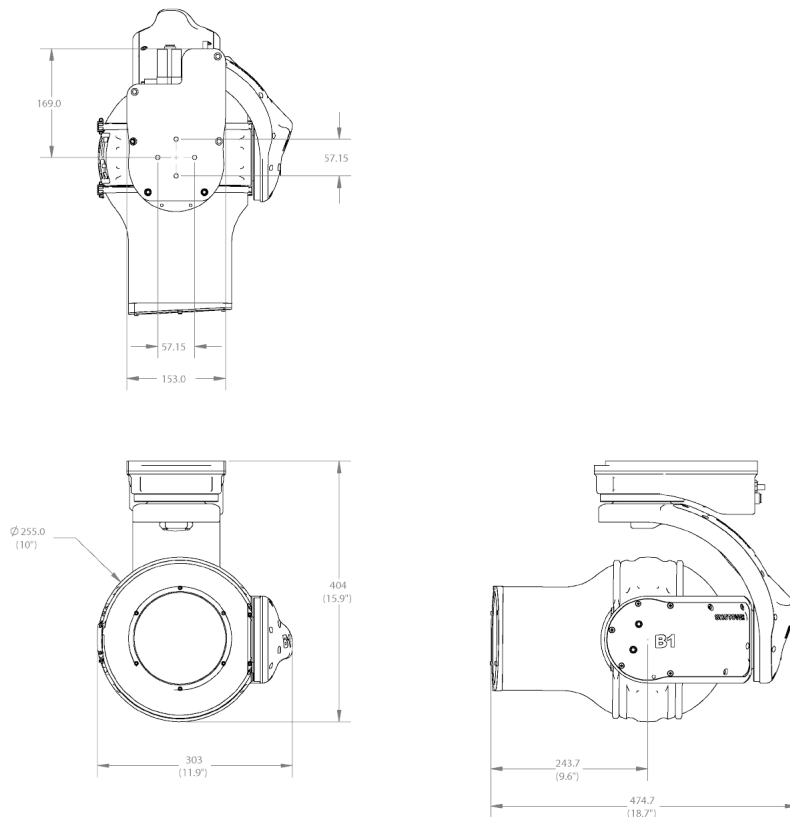
### ENVIRONMENTAL

Operating Temperature: -20 to +50 degrees C

### OPERATOR CONTROL UNIT

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

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



## CAMERA & LENS COMBINATIONS

	Fujinon 24x7.8	Fujinon Cabrio 19-90	Fujinon 20-120	Fujinon 85-300	Canon 17-120	Canon CN10	Canon CJ28-18	Sony 70-200	RS Series
Ikegami F4000 (4K)	●						●		
RED® KOMODO™		●	●	●	●	●			
Sony A7 Series								●	
Black Magic Micro Studio 4K	●	●	●	●	●				
Zcam E2 FF Series	●	●	●	●	●				
Phase One Series									●