



SHOTOVER | B1



The Bulletproof B1

Weighing under 40 pounds with payload, the SHOTOVER B1's lightweight, 6-axis design allows it to be utilized on a host of helicopters and fixed-wing aircraft. The system can also be mounted on watercraft and ground-based platforms such as cable cams, tracks 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
- Compatible with approved aircraft mounts for AS350, R44, R66, B206, B505, CABRI G2 helicopters
- Various top plate options are available to easily allow mounting on various platforms - land, sea and air
- Integration with Churchill Moving Map platforms
- 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

SHOTOVER.COM

16303 Waterman Drive
Van Nuys, CA 91406
USA

Am Technologiepark 1,
Gebäude 4, 63477
Maintal, Germany

133 Glenda Drive
Queenstown, 9300
New Zealand

US: +1 818 285 1665
NZ: +64 3 746 7531
info@shotover.com

B1 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: +50 to -110 degrees
Roll: +/-75 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 +40 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

CAMERA & LENS OPTIONS

Ikegami HD
Sony HD & 4K
Black Magic HD & 4K
PhaseOne Industrial
Fujinon UA24x7.8
Fujinon XK20-120
Z-cam E2

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

