

SHOT OVER

G1



The SHOTOVER G1

A lightweight, weather resistant, gyro-stabilized gimbal platform that delivers unshakable stability with ultimate functionality. The SHOTOVER G1 can quickly be detached from the U1 multirotor and be mounted on motorcycles, tracking vehicles, cranes, cables and almost anything that moves. Buyers can choose between the U1, which includes both the multirotor and gimbal, and the G1, which is the gimbal without the aerial component.

G1 SYSTEM FEATURES

- Gyro-stabilized gimbal system
- Wireless video downlink
- SHOTOVER FI+Z with lens motors
- Components to install camera and lens combinations per matrix
- Remote camera control (RED, Arri, Sony, Canon, Phantom)
- Available as turn-key sUAS or as standalone gimbal
- Compact size and weight allows affordable transport as freight or excess baggage
- No ITAR restrictions or EAR licensing requirements
- SHOTOVER Free-Runner adaptor head. Quickly change between handheld, sUAS, mitchell mount, and bowl mount
- Easily integrated into film industry mounting platforms
- Advanced payload balancing system
- 360 degree continuous pan, tilt, and roll
- Delivers unshakable stability and ultimate functionality
- Customizable graphic overlay for real time operator feedback
- Auto or steerable horizon with the most advanced steering capabilities on the market
- HD video encoding & decoding for two video streams (HDMI or SDI)
- Wired or wireless control
- Open platform design allows for the integration of new cameras and lenses as they come to market

G1 SYSTEM SPECIFICATIONS

STABILIZATION

3-axis
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
Tilt: +65 to -120
Roll: +/- 65
Max slew rate: 100 deg/sec



DATA / COMMUNICATION

CAN Bus
RS 422 Serial Bus
Ethernet
Single radio link for wireless communication with:
Complete 802.11an: 5.15 - 5.85 GHz, 802.11 bgn:
2.412-2.484GHz
Gimbal communications
Multirotor communications
Camera communications
x2 Camera HD video

WEIGHT

Gimbal - 4kg (8.82lbs.)
Max payload - see chart for combinations

GROUND STATION

Input Range: 20-34VDC
Consumption: 1.2KW (MAX)
Access point for wireless video transmission to handheld devices
Wired connection point for video recorder
12VDC XLR power

FREE RUNNER

Input Range: 20-60 VDC
Consumption: 960W (MAX)

ENVIRONMENTAL

Operating temperature: -20 to +50 degrees °C
(-4 to 122 degrees °F)
Weather resistant

GIMBAL OPERATOR CONTROL UNIT

Integrated battery
Spare battery and charger included
HD video decoder (HDMI or SDI output)
Lightweight
Customizable video overlay for monitor output
Camera remote integration (Sony, Canon, Arri, Phantom)
Left and right handed joystick operation

OPTIONS

Remote controlled rotating polarizer
Cone Mount
Bowl Mount
Licensed downlink - mesh networks & licensed frequencies
Geo referenced overlay
Third party geo mapping integration
Log VFX data (GPS, FIZ, etc)

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

G1 SYSTEM OPTIONS



- 1 **ENG Auto Iris:** Allows remote RM-B Iris control of Sony Camera.
- 2 **Ground Station Travel Case:** A rugged, waterproof, pelican case for easy transport of the ground station.
- 3 **Hand Wheels Controller:** To support operators of the G1 who prefer control wheels to joystick operations, SHOTOVER is pleased to offer the G1 Hand Wheels Controller. The controller provides the same capability as the original control unit but swaps out the joystick for two 125mm steel wheels to control pan, tilt and roll.
- 4 **G1 Cone Mount:** Easily attach the G1 to a rail or track system.
- 5 **G1 Vibration Isolator:** The isolator dampens vibration to ensure optimum stability.
- 6 **G1 Battery Bank:** Power the U1/G1 Ground Station all day with hot swappable power source.
- 7 **1500 AC Ground Power Supply:** Run your ground station all day long with the SHOTOVER UL & CSA certified ground.
- 8 **Universal Mount Adapter:** Attach your own VFX mount to the U1 multirotor. 12V power and camera communication is available from the Universal Mount Adapter.

*Please contact SHOTOVER for a complete list of system options.

CAMERA & LENS COMBINATIONS

	Angenieux Optimo 15-40	Angenieux Optimo 28-76mm	Angenieux EZ-2 Series	Angenieux 45-120	Canon 14x4.3	Canon 17-120	Canon 50-1000****	Canon EF Prime Series	Fujinon 1.4x4.5	Fujinon Cabrio 19-90	Fujinon 20-120	Fujinon 22x7.6	Fujinon Cabrio 85-300	Leica Summicron Series	Leica Summilux-C Range	Zeiss Master Prime Range
Canon C500*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
RED DSMC**	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
RED DSMC2***	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sony F55 with Recorder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sony FS7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sony P1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Alexa Mini	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Phantom Flex 4K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Phantom Flex 2K*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*The standard G1 configuration includes everything necessary to integrate the above camera and lens combinations with the exception of the Canon C500 and Phantom Flex 2K. The open platform design of the G1 allows for the integration of new cameras and lenses as they come to market. Please note cameras and lenses not included.

**RED DSMC: 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
 **** For tripod applications and requires 50-1000 integration kit from SHOTOVER.

