

# SHOT OVER

# F1

The SHOTOVER F1 adapts to your style, from broadcast to features.

**A 6-axis gyro stabilized platform that delivers unshakable stability with unmatched look down capability for use inverted, or right side up—on almost anything that moves. It rigs fast and accommodates hundreds of camera and lens combinations, for the look you want. Its compact carbon fiber construction means it ships as excess baggage on commercial flights worldwide with no export restrictions.**



## F1 GIMBAL SYSTEM FEATURES

- Quickly and easily interchange multiple cameras and lenses
- Compact size and weight allows affordable transport as freight or excess baggage
- No ITAR restrictions or EAR licensing requirements
- Compatible with most FAA and EASA approved aircraft mounts
- Various top plate options are available to easily allow mounting on various platforms- land, sea and air
- Easily integrated onto a wide variety of mounting platforms
- 6-axis gyro stabilized with look down capability
- Windowless operation option for brilliant imagery without reflections
- Fiber optic video data transfer for clean 3GHz imagery
- State of the art electronics and design techniques deliver unshakable stability and ultimate functionality
- 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
- Remote controlled polarized filter rotation, rain deflector and other accessories available

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:

- 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
- Break out FI+Z control with Preston HU3
- Dual 5V USB A Ports for powering Accessories (including smartphones)
- Mount Holes on top & rear faces for accessories & monitor mounting



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# 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: +45 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 max payload less than 59kg (130lbs)  
 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)

## POWER

19-32 VDC  
 12 Amps Max Draw (at 28V)

## ENVIRONMENTAL

Operating Temperature: -20 to +50 degrees C

## OPERATOR CONTROL UNIT

Lightweight  
 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



## SYSTEM OPTIONS

- Travel Mount:** Easily converts an F1 shipping case into a mobile gimbal stand while on the go. The travel mount allows easy setup of the F1 no matter where your job takes you.
- Excess Baggage Cases:** The F1 easily breaks down into cases that meet commercial airline size and weight requirements. This allows the F1 to be hand carried as excess baggage and faster transit times worldwide.
- Polarizer Filter Kit:** A polarizer filter that rotates at the push of a button on the Gimbal Controller enables the perfect shot by darkening skies, managing reflections, or suppressing glare.
- Force Joystick:** Designed at the request of some of Hollywood's top cinematographers, the Force Joystick is an alternative to the standard displacement joystick. It is designed to boost operator precision and control during high-speed shooting with a quick disconnect fitting that allows cinematographers to operate the gimbal freehand and away from the main controller.
- Monitor Mount:** Easily attach the monitor of your choice to the Gimbal Controller.
- Wireless Control Interface:** Allows the integration of off the shelf wireless link enabling the system to be used on various platforms when the operators controls the system at a distance.
- Mitchel Mount:** Adapts your system to any ground based platform with the Mitchell Mount.
- Demist Fan:** Occasionally environmental conditions require a front window to be used and damp environments can cause fog to accumulate inside the window. With the Demist Fan, fog is eliminated.
- Rain Spinner:** Water drops in front of the lens are a thing of the past. SHOTOVER proudly offers a way to keep the glass clear.

## CAMERA & LENS COMBINATIONS

	Angenieux 30-72 ANAMORPHIC	Angenieux DP 25-250mm	Angenieux HR 25-250mm	Angenieux Optimo 15-40	Angenieux Optimo 16-40mm	Angenieux Optimo 17-80mm	Angenieux Optimo 28-76mm	Angenieux Optimo 44-440mm	Angenieux Rouge 16-42mm	Arri Fuji Alura 18-60mm	Arri LMZ 9.5-18	Arri/Fujinon Alura 45-250	Canon 14.5-60mm	Canon 14x4.3	Canon 17-120	Canon 30-300mm	Canon CN20x60	EF Fish Eye	Fujinon 14x4.5	Fujinon 25-300	Fujinon 42x13.5	Fujinon 42x9.7*	Fujinon Cabrio 19-90	Fujinon Cabrio 85-300	Fujinon Premier 1.45-45	Fujinon Premier 1.8-85	Fujinon 20-120	Leica Summicron Series	Panasonic Anamorphic Primo Zoom 70-200	Zeiss 14mm Master Prime	Zeiss 16mm Master Prime	Zeiss 10mm Ultra Prime	Zeiss 70-200 CZ.2					
Canon C500*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
RED DSMC*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
RED DSMC2*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Arri Alexa M*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Sony F55 without Recorder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Sony F55 with Recorder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Sony 2500 - Repackaged	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Sony P1																																						
Sony P43																																						
Alexa Mini	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Phantom Flex 4K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Phantom Flex 2K*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Ikegami F300																																						
NEC 1200																																						
Grass Valley LDX C80 (HD)																																						
Grass Valley LDX C86																																						

KEY: ● = with HDx35 adaptor ● = IBE 2x ● = with or without IBE 1.4x ● = with Jetpack SDI Expander

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

\*The standard F1 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, as well as the Sony 2500 which must be repackaged. Please note cameras and lenses not included.

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