



SHOTOVER F1 Recalibrating Versatility

The Shotover F1 is top of a new class of compact stabilized platforms. It delivers completely parallel performance and stability to the K1, but in a smaller and lighter package. With faster installation times, it can even be used inverted, and on almost anything that moves. Despite its smaller size this system can accommodate more than 175 camera and lens combinations.

The F1 is perfect for productions that do not require unlimited camera setups, but favor the ease of use and flexible installation.

F1 System Features

- World Class Horizon Control
- Quickly and easily interchange multiple cameras and lenses
- No ITAR restrictions or EAR licensing requirements
- Compatible with most FAA and EASA approved aircraft mounts
- 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
- Inverted operation using auto-position detectors
- Remotely controlled rotatable polarized filter option available

SHOTOVER F1

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

DATA / COMMUNICATION

- Fiber Optic lines
- CAN Bus
- RS 422 Serial Bus
- Ethernet

POWER

- 19-72 VDC
- 12 Amps Max Draw (at 28V)

ENVIRONMENTAL

- Operating Temperature: -20 to +50 degrees C

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

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)

OPERATOR CONTROL UNIT

- Lightweight
- Customizable video overlay (Monitor Output)
- Recess for camera remotes such as: Sony RM-B750, Arri RCU-4
- Other control layouts available upon request

Camera and Lens Combinations

CANON C500

- Canon 30-300
- Canon 14.5-60
- Angenieux Optimo 17-80
- Angenieux 25-250 HR
- Angenieux 25-250 DP
- Arri/ Fujinon Alura 18-80
- Fujinon Premier 18-85
- Fujinon Premier 14.5-45

Alexa M-Single Fibre

- Canon 30-300
- Canon 14.5-60
- Angenieux Optimo 15-40
- Angenieux Optimo 28-76
- Angenieux Optimo 17-80
- Angenieux 25-250 HR
- Angenieux 25-250 DP
- Arri Fujinon Alura 18-80
- Fujinon 18-85 mm T2
- Fujinon Premier 14.5-45
- Fujinon Cabrio 19-90
- Fujinon Cabrio 85-300
- Zeiss 14mm Master Prime
- Zeiss 16mm Master Prime

Red Epic X / Dragon

- Canon 30-300
- Canon 14.5-60
- Angenieux Optimo 15-40
- Angenieux Optimo 28-76
- Angenieux Optimo 17-80
- Angenieux 25-250 HR
- Angenieux 25-250 DP
- Arri Fujinon Alura 18-80
- Fujinon Premier 18-85
- Fujinon Premier 14.5-45
- Fujinon Cabrio 19-90
- Fujinon Cabrio 85-300
- Fujinon 42x9.7
- Zeiss 14mm Master Prime
- Zeiss 16mm Master Prime

Sony HDC 2500

- Fujinon HA 42x13.5
- Fujinon HA 42x9.7

OPTIONS

- Geo referenced overlay
- Integrates with third party geo mapping
- Remote controlled rotating polarizer
- Rain deflector

Sony F55 without Recorder

- Canon 30-300
- Canon 14.5-60
- Angenieux Optimo 15-40
- Angenieux Optimo 28-76
- Angenieux Optimo 17-80
- Angenieux 25-250 HR
- Angenieux 25-250 DP
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website: team5.rentals

Team5 Aerial Systems
Specialized Camera Rental

3312 Burton Avenue, Burbank, CA 91504
O +1 (818) 925 1500 F +1 (818) 925 1501