

# ACS FRANCE

AERIAL-FRANCE.FR

## Shotover F1



6 axis / Top Shot / 360° unlimited / Digital cinema & Live

The Shotover F1 combines all benefits and performances of the Shotover K1 in a lighter and more compact architecture. Extremely functional, it can be used on any type of moving platform (helicopter, Cablecam®, dolly track, camera car etc.), for your digital cinema projects or live events. This gimbal can be used in very harsh environments and extreme conditions: we have had it work under the wing of a plane at 200kts! Faster to install, it fits nearly 175 interchangeable camera/lens combinations. This gyro-stabilization system is ITAR free and can be easily shipped to your filming location, as an excess baggage on commercial flights or by air freight, worldwide.

### Our media of use



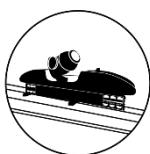
HELICOPTER



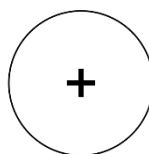
CABLE TRACK



CAMERA CAR



DOLLY TRACK



TAILOR MADE

### Main characteristics:

- High performance gyro-stabilization on 6 axis
- Unlimited 360° pan, straight look down capability - tilt from 60° to -140°
- Over 175 camera/lens combinations, digital cinema or live
- Extremely compact and functional, quick installation on any type of support
- Perfectly stable on very long focal lenses
- Transportable worldwide on commercial flights (under 32kg boxes)
- Available accessories: rain deflector, remote controlled rotating polarizer, wireless link

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# Shotover F1

## Technical specifications



### STABILIZATION

- 6 axis no gimbal lock High performance non-ITAR sensors
- Distributed multi-processor closed loop servo control system
- Proprietary gimbal control algorithms

### FIELD OF VIEW

- Pan 360° continuous (via electrical and optical rotary joints)
- Tilt +45° to -140°
- Roll +/-85° (steerable or auto-horizon)
- Max. slew rate 100°/sec

### DATA / COMMUNICATION

- Fiber optic lines (precabled 4x 3GHz - SDI)
- CAN Bus
- RS 422 Serial Bus
- Ethernet

### WEIGHT

- Turret with max payload approx. 60kg (130lbs)
- Operator control unit 2,7kg (6lbs)
- Junction control box 4kg (9lbs)
- Main cables set 2,5kg(5.5lbs)

### POWER

- 19 - 32 VDC
- 20A max (at 28V)

### ENVIRONMENTAL

- Max. speed 200kts (360km/h)
- Operating temperatures -20 to +50°C
- Weather resistant

### OPERATOR CONTROL UNIT

- Lightweight and compact
- Customizable video overlay (monitor output)
- Adaptable to camera remotes such as Sony RM-B750, Arri RCU-4, Canon RCV-100

### OPTIONS

- Remote controlled rotating polariser
  - Rain spinner
- Wireless control : serial protocol (RS422)

|                        |                        | Cinema lenses              |                     |                     |                        |                        |                        |                        |                         |                       |                          |                 |                           |               |              |              |               |             |                |                      |                       | Broadcast lenses        |                       |                |                        |                              |                         |                         |                        |                   |               |                 |                  |                 |    |    |   |
|------------------------|------------------------|----------------------------|---------------------|---------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-----------------------|--------------------------|-----------------|---------------------------|---------------|--------------|--------------|---------------|-------------|----------------|----------------------|-----------------------|-------------------------|-----------------------|----------------|------------------------|------------------------------|-------------------------|-------------------------|------------------------|-------------------|---------------|-----------------|------------------|-----------------|----|----|---|
|                        |                        | Angenieux 30-72 Anamorphic | Angenieux Dp 25-250 | Angenieux HR 25-250 | Angenieux Optimo 15-40 | Angenieux optimo 16-40 | Angenieux Optimo 17-80 | Angenieux Optimo 28-76 | Angenieux Optimo 44-440 | Angenieux Rouge 16-42 | Arri Fujinon Alura 18-80 | Arri UWZ 9.5-18 | Arri Fujinon Alura 45-250 | Canon 14.5-60 | Canon 17-120 | Canon 30-300 | Canon CN20x50 | EF Fish Eye | Fujinon 25-300 | Fujinon Cabrio 19-90 | Fujinon Cabrio 85-300 | Fujinon Premier 14.5-45 | Fujinon Premier 18-85 | Fujinon 20-120 | Leica Summicron Series | Panavision Anamorphic 70-200 | Zeiss 14mm Master Prime | Zeiss 16mm Master Prime | Zeiss 10mm Ultra Prime | Zeiss 70-200 CZ.2 | Canon 14x 4.3 | Fujinon 14x 4.5 | Fujinon 42x 13.5 | Fujinon 42x 9.7 |    |    |   |
| Digital cinema cameras | Canon C500             | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | RED DSMC               | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | RED DSMC2              | JP                         | JP                  | JP                  | JP                     | JP                     | JP                     | JP                     | JP                      | JP                    | JP                       | JP              | JP                        | JP            | JP           | JP           | JP            | JP          | JP             | JP                   | JP                    | JP                      | JP                    | JP             | JP                     | JP                           | JP                      | JP                      | JP                     | JP                | JP            | JP              | JP               | JP              | JP | JP |   |
|                        | Arri Alexa M           | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | Sony F55 sans recorder | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
| Slow motion            | Sony F55 avec recorder | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  |    |   |
|                        | Alexa Mini             | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
| Broadcast cameras      | Phantom Flex 4K        | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | Phantom Flex 2K        | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | Sony P1                | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | Sony P43               | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | Ikegami F3000          | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  | ● |
|                        | NEC 1200               | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  | ● |
| Broadcast cameras      | Grass Valley LDX C80   | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  |   |
|                        | Grass Valley LDX C86   | ●                          | ●                   | ●                   | ●                      | ●                      | ●                      | ●                      | ●                       | ●                     | ●                        | ●               | ●                         | ●             | ●            | ●            | ●             | ●           | ●              | ●                    | ●                     | ●                       | ●                     | ●              | ●                      | ●                            | ●                       | ●                       | ●                      | ●                 | ●             | ●               | ●                | ●               | ●  | ●  | ● |

RED DSMC : Epic et Scarlet  
RED DSMC2: Weapon, Epic-W, Scarlet-W

● Available  
● HDx35 adaptor required  
● Anticipated request  
JP Jet Pack SDI unit required  
● IBE 1,4x optional  
● IBE 2x required