

AERING

AERIAL SHOOTING

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



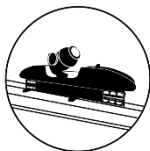
HELICOPTER



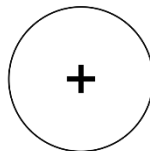
CABLE TRACK



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

AERING by Bsa

73 RUE DU CHATEAU 92 100 BOULOGNE BILLANCOURT
RCS NANTERRE 447 549 163TVA intra communautaire : FR79447549163

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	
	Arri Alexa M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Sony F55 without recorder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Sony F55 with recorder	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Alexa Mini	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Slow motion	Phantom Flex 4K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
	Phantom Flex 2K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Broadcast cameras	Sony P1																																			
	Sony P43																																			
	Ikegami F3000																																			
	NEC 1200																																			
	Grass Valley LDX C80																																			
Grass Valley LDX C86																																				

RED DSMC : Epic et Scarlet ● Available ● HDx35 adaptor required ● Anticipated request
 RED DSMC2 : Weapon, Epic-W, Scarlet-W JP Jet Pack SDI unit required ● IBE 1,4x optional ● IBE 2x required