

Tracking system

ORBITER 500 spaceshooter



- 360° panning independent of the seat
- 90° tilting
- synchronously tracking viewfinders
- Rock solid stabilisation & steady shots
- High grade sealed precision bearing
- Steady friction
- Central cable feeding through center column
- Center column fixed or adjustable
- Continuously adjustable seat
- Effortless noiseless easy operation and transport
- Rigid compact modular upgradable design
- Easily assembled and levelled
- Low maintenance noncorrosive
- Accommodates all tripod heads
- Comprehensive customisation

Cost Efficient Tracking

ORBITER 500 spaceshooter

The Orbiter 500 spaceshooter is a mobile and modular cameraseat system based on the renamed Orbiter 500 superflat. It is designed for the tracking, analysis and recording of rockets, aircrafts, missiles and other flying objects allowing tilt angles up to 90° and panning over 360°.

At air sports it is applied to record any kind of flying or freefalling object. An adjustable and very stable telescopic or fixed center column allows operating above head level while looking at the viewfinders at eye level. The viewfinders track synchronously with the seat, automatically staying in the operator's view.

It is possible to operate a single camera as well as an array of multiple cameras.

The center column is delivered in any desired fixed height - adjustable heights are accomplished by a telescopic column with an integrated gear box operated manually.

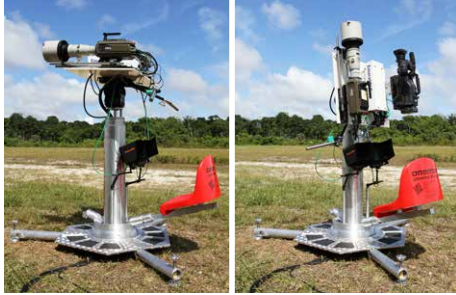
The Orbiter 500 spaceshooter allows independent movement of camera and seat, along the same axis. There are two remarkable and patented features of this system, contrary to other systems the seat of the Orbiter is not directly connected to the camera column. Almost no shock motions are transmitted from the operator to the camera as the camera column is not loaded by the operator's weight. The unlinked rotation along the same axis also avoids unwanted movement of the camera when moving the seat.

The Orbiter 500 spaceshooter comes with a sealed high precision bearing with an integrated, steady friction facilitating 360° panning; smooth, steady and noiseless operation coming close to the characteristics of fluid heads. In addition, it's central cable feeding allows trouble-free movement on 360°. Comprehensive testing proved high durability even under extreme conditions in terms of temperature and mechanical impact. Maintenance is reduced to almost zero.



synchronously tracking viewfinders

The Orbiter 500 spaceshooter's new and mobile design and its effortless handling has set a new standard for low cost tracking applications and created new possibilities for dynamic shooting at air sports and many other sports competitions, where flying objects must be captured passing just above the camera position. Take advantage of the simple, comfortable and soft-running Orbiter spaceshooter to create excellent footage on a cost efficient base.



90° tilting • Synchronously tracking viewfinders

Transport



Single camera or multi-camera arrays



Telescopic column



Main features

- 360° panning independent of the seat
- 90° tilting
- Synchronously tracking viewfinders
- Rock solid stabilisation & steady shots
- High grade sealed precision bearing
- Steady friction
- Central cable feeding through center column
- Center column fixed or adjustable
- Continuously adjustable seat
- Effortless noiseless easy operation & transport
- Rigid compact modular upgradable design
- Easily assembled and levelled
- Low maintenance noncorrosive
- Accommodates all tripod heads
- 1 year warranty

Technical specifications

- Measures:**
- Min. height of camera plate customised
 - Width 115 - 180 cm
 - Depth 110 - 155 cm
 - D x W x H folded, 2 Trolleys 70 x 50 x 120 cm
- Weights and Loads:**
- 2 Trolleys each 80 kg
 - Payload capacity camera seat 600 kg
 - Payload capacity pan/tilt head max. 120 kg
 - Bearing load dynamic 3000 kg

Options

- Heavy duty version - doubled capacity
- Various pan/ tilt heads
- Telescopic center column
- Individual system integration
- Comprehensive customisation
- Comprehensive factory acceptance testing
- Various camera risers

Service

- Commissioning on site
- Rentals

