



## An extremely versatile Remote & Motion Control Head

### APPLICATIONS

- Use as a Remote or Motion Control Head
- Suitable for studio and field use
- Works with film, video or HD cameras upto 35kg
- Suitable for virtual studios

### BENEFITS

- Lightweight carbon fibre and aluminium construction
- Portable – battery or mains power
- Low cost & simple to operate motion control
- Designed for repeatability and high accuracy
- High speed operation

### MAIN FEATURES

- Programmable pan, tilt, zoom, focus, iris & camera
- Simple Record and Playback
- 100m remote operation
- Simple cabling
- Fully frame accurate at any speed

### HARDWARE FEATURES

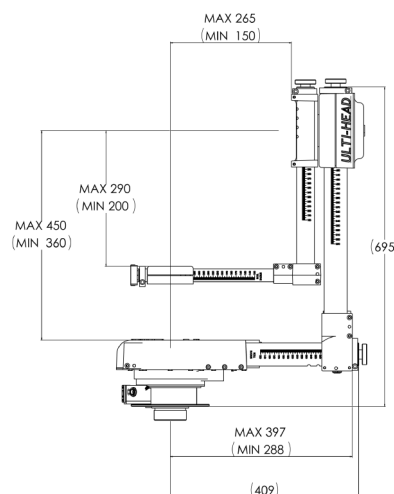
- 9 Integrated axes of motion
- 15-35V battery operation
- Expandable for additional axes eg, Track, Roll & Lift
- Interfaces to a wide range of industry standard cameras
- On board camera control and sync circuitry
- Direct Interface to Arri 435 cameras for Moco useage & 3 stepper motors
- DC Motors for superior speed and smoothness
- Built in serial ports
- Revolutionary miniature electronics 10 x 12 x 3.5cm

### SETUPS

- 20 min learning curve
- Crane, tripod or dolly mounted
- Fast setup and operation
- Adjustable carbon fibre tubes for different size cameras

### BACKUP & SUPPORT

- Continuous software development
- 24 hour technical support
- Leaders in motion control technology for 40 years
- Upgrades downloadable from the Web



### ACCESSORIES

- MSA-20 handwheels
- Jogbox
- Bloop light
- Model Movers
- Handwheels or Pan Bars
- Lens control motors
- Frame overlays – puts info on video picture
- Arri, Moviecam, Panavision, Sony, Video and HD interfacing
- Wireless Option

Power 24v (15-35V)	Battery Pack or 100/240v AC 50/60 Hz Power Supply
Current Consumption	0.5 Amps Typical stationary 3 Amps typical accelerating
Maximum Motor Power	35V 8A channel
Weight (exc options & Battery Pack)	23kg
Maximum camera weight	35kg
Torque	47Nm
Speeds	120deg per second/0.33 revs per second Subject to supply voltage



## Technical Specifications



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The head connects directly to the award winning Flair motion control software, quickly turning it into a full motion control system with expansion for upto 32 axes of motion and with every conceivable motion control feature. Flair also integrates with numerous popular 3D CGI packages.



# Ulti-Head A Remote & Motion Control Head



Adjustable carbon fibre tubes allow the head to be configured for any size and shape camera.

The aluminum and carbon fibre construction help keep the rigidity and strength of the head very high while maintaining a low overall weight

Miniature electronics in the head offer an incredibly high number of built in functions, including 6 motor controllers, camera control & synchronization, lens controllers and general purpose inputs and outputs. Extremely simple cabling mean the head only requires a power and a data lead to operate.



The MSA-20 handwheels connect directly to the head and allow it to record & playback upto 3 hours of movement without a PC. Ideal for high portability. Moves and data can also be exported to a PC to give unlimited motion recording time.



Optional Pan-bars can be used with the Ulti-Head to make operation completely intuitive.



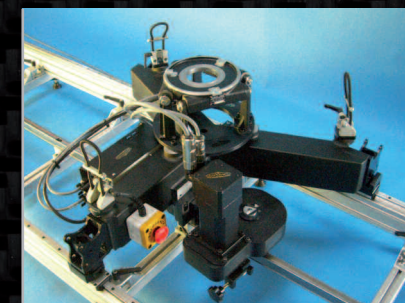
Built in electronics for controlling additional axes are standard on Ulti-Heads so adding different types of roll axes is very simple. A dutch roll offers 90° of travel while 360° roll can also be supplied.

Zoom & Focus controllers can be used to control lens functions with the built in electronics without requiring any 3rd party lens controllers. All lens motions are fully recordable and can be played back. The Ulti-Head can be used with both MRMC lens motors or common industry motors such as Arri, Preston, Scorpio & Heden.



Optional slirings carry the Ulti-Head power, camera power, video signals and data signals without any restrictions.

Slirings allow unlimited pan rotation without tangling of cables.



Many track options exist for the Ulti-Head including the compact Y-Pod, our latest design base plate. The Y-Pod can take the head directly or have a tripod mounted and works on both industry standard rail or the new dolly bearing rail.



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For large or heavy cameras, the optional secondary tilt support quickly connects to the head and greatly increases the rigidity & maximum permissible load.