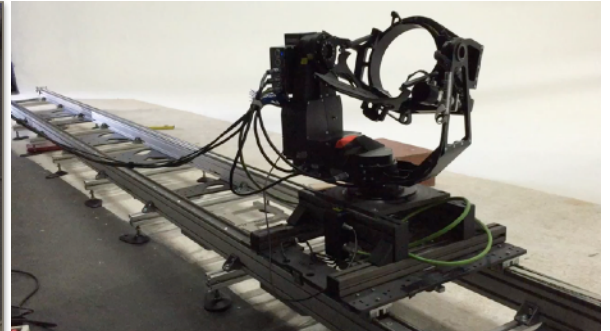
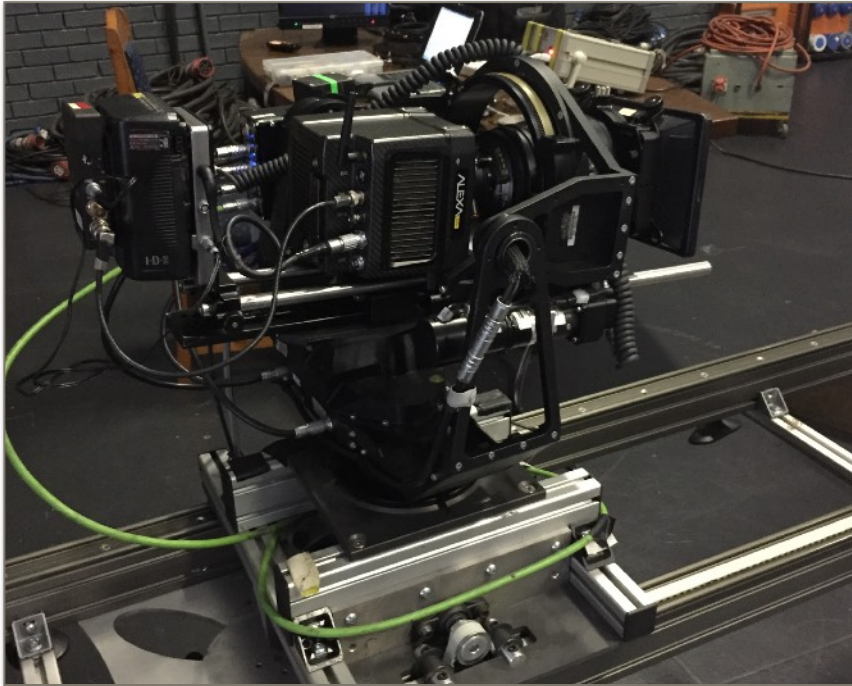


TECH SPEC



MINI MO MOTION CONTROL



MINI MO

The MINI MO is a pan tilt (with optional roll) head and is particularly suited to RED, Alexa Mini & ENG style cameras. These cameras can be placed on optical centre.

The Mini Mo is the ultimate quick to setup and use motion control for shots that do not require large scale moves. Compact and light weight to be used on any location.

The rig is controlled with Academy award winning Flair software, offering an optional hand wheel interface to record the operator's moves, and 2 lens axes which can be used for focus & iris/zoom control.

The software runs moves from stop frame/time lapse crawl speed to live action or high speed frame rates.

Camera moves can be exported in FBX or Maya formats.

The MINI MO head can be used on it's own, on a tripod or under-slung at the end of a crane, or with it's optional track & dolly. We have 6m of track available and more can be arranged on request.

- ▶ **Weights:** head (32kg), dolly (28kg), tracks (20kg/2m)
- ▶ **Speeds** 100 deg/s angular, 1.5m/s linear
- ▶ **Acceleration** 40 deg/s²
- ▶ **Accuracy** >.01°, Resolution <.0001°
- ▶ **Camera loads** 12-14kg
- ▶ **Power** 36-48V DC / 110-240V AC

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MINI MO FEATURES

PAN TILT can accommodate up to an Alexa XT

PAN TILT ROLL works well with Red and Alexa Mini cameras.

STILLS CAMERAS - Canon 5D & Nikon D800 are supported with a camera interface to allow rig to trigger single frames from the control box.

MOVE PROGRAMMING - moves can be programmed in a variety of ways. The simplest is by storing key frames. Speed and acceleration can be set to ease in and out smoothly, or one can program hard start and stops to maximize the move speed.

HAND WHEELS are a popular method of programming. The DP or operator controls pan and tilt for the live action plate and the system

records his move to play back over and over again for the background plates.

FOCUS is programmed the same way, setting focus points along the move, or recording the focus pullers move and replaying it on subsequent passes.

IRIS pulls are popular for long duration time lapse moves. This ensures the exposure is kept within acceptable limits through the time lapse.

ZOOM - short zooms can be programmed into the rig. The head is smooth up to 100mm focal lengths (super 35) but when tracking it is best to keep to below 35mm. Longer focal lengths are possible in stop frame/time lapse mode.

ACCURACY - high precision, pixel accurate.

DATA can be exported as FBX or MB files for graphics platforms.

