

## Remote Head for 4K



- Smooth, Quiet Operation
- Extremely Slow and Fast speeds
- Instantly Responsive
- AL-CM460 Camera Control
- Dual Fibre Input / Output
- Smooth on-shot moves
- 32 Preset Positions
- Slip Ring Option for continuous 360 pans

The **U3\_4K** is a small pan & tilt head developed specifically for the new **AL-CM460** 4K camera and has a camera power supply, lens control, and CCU protocols built-in.

Connections to the unit are twin ST fibre plus power *or* *BR Remote* standard RS485 data. One fibre is dedicated to returning the quad 3G pictures and the other is for control data and genlock to the camera and head. Using fibre connections enables ranges of up to 20km. All the fibre interfaces are built-in with matching connectors for direct connection to the **AL-CM460** camera.

The **U3\_4K** is quiet, smooth and fully featured for both live action moves and multiple preset positions together with full camera and lens control using BRADLEY standard protocols. The head is weatherproof and can be used externally without further protection. A slip ringed option is also available for continuous 360 degree pans.

Fully proportional joystick control enables moves from 90deg/sec to 0.02deg/sec or less. This gives smooth moves even with long lenses. The preset positions are achieved quickly and with accuracy of better than 0.5deg.

A matching **Base Station** is required for returning the quad 3G pictures and multiplexing control data with genlock up to the camera. SMPTE hybrid cable versions are also available, making 4K migration as simple as possible.

A number of joystick controllers are available from *BR Remote* along with various RCP options for camera CCU control. Up 99 cameras can be controlled on a single system.



## Specifications



**Power:** 8-14v @ 35W including AL-CM460.

**Data:** RS485, 9600baud or fibre

**Pan & Tilt Speed:** 0.05deg/sec to 120deg/sec. Both axes.

**Pan & Tilt Range:** Pan +/- 160deg. Tilt -40 to +220deg.

**Connections:** XLR4 - power & Data, ST1 - Data & Genlock, ST2 - CWDM Quad 3G  
**Camera:** ST - CWDM Quad 3G, Hirose 4 - Power 12v, Dsub - Data & Genlock

**Remote:** Pan, Tilt, Pan Speed, Tilt Speed, Pan/Tilt Direction, Preset Store, Preset Recall, Zoom, Iris, Focus, Auto Iris On/Off, Auto Focus On/Off, Auto White, Manual White, Preset White, Master Gain, Red Gain, Blue Gain, Master Ped, Red Ped, Blue Ped, Detail, Shutter, Gamma, Chroma, Knee.

**Dimensions:** H.200mm, W.172mm, D. 98mm (excl. plugs) Weight. 2.5kg  
3/8" & 1/4" mounting threads

**Environmental:** -10 to +50degC

**Options:** Fibre Base Station  
Joystick Controllers – 3 types  
Remote Camera Panels – 2 types  
Radio Data Control  
Anti-Vibration Mounts  
AL-CM460 4K camera  
Servo Lenses  
SMPTE Hybrid Adaptors  
Stage Boxes – for multiple cameras  
Adaptors for control over IP

**Joystick Controller**



**Full RCP**



**Data TX**



**AL\_CM460 4K**



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