

# THE CRANE GUY

CAMERA CRANES • REMOTE HEADS • CABLE CAM  
THE NAME SAYS IT ALL... IT'S WHAT I DO.

## MōVI XL SPECIFICATIONS

### **DIMENSIONS**

MōVI XL 26.14 x 19.96 x 27.55 inches (L\*W\*H)

Camera Cage 15.7x 10 x 11.37 inches (L\*W\*H)

### **MECHANICAL**

Pan Range of Motion: 360° Continuous Rotation

Tilt Range of Motion: Software adjustable up to +90°/-170°

Roll Range of Motion: Software adjustable up to ±90°

Max Pan Rate: 200°/s

Max Tilt Rate: 200°/s

Max Roll Rate: 200°/s

Weight: 24lbs

Max Payload: 50lbs

Max Operating Speed\* 100 mph

Operating Temperatures: -4°F to 122°F

Ingress Protection IP52, resistance to dust and dripping water

Mounting System MōVI XL Quick Release, Mitchell Mount

Materials Carbon Fiber, 6061-T6 Aluminum,

Glass Reinforced Polymers

### **ELECTRONICS**

Data Logging Rate: 5, 10, and 25 Hz

Connections: Bluetooth Low Energy v4.2 and 2.4GHz Custom FHSS Radio

Motor Type: Direct-drive 3-phase Brushless

Rotor Magnet Material: Neodymium

Peak Motor Power: 1300W

Data Storage: microSD

### **TSU Ports**

LTC Timecode In/Out, EXP, CANbus + Battery Voltage,  
CAM, 12-14V CAM, 12V AUX, F, I, Z, USB Type C

### **Aux Ports**

Auxiliary Power

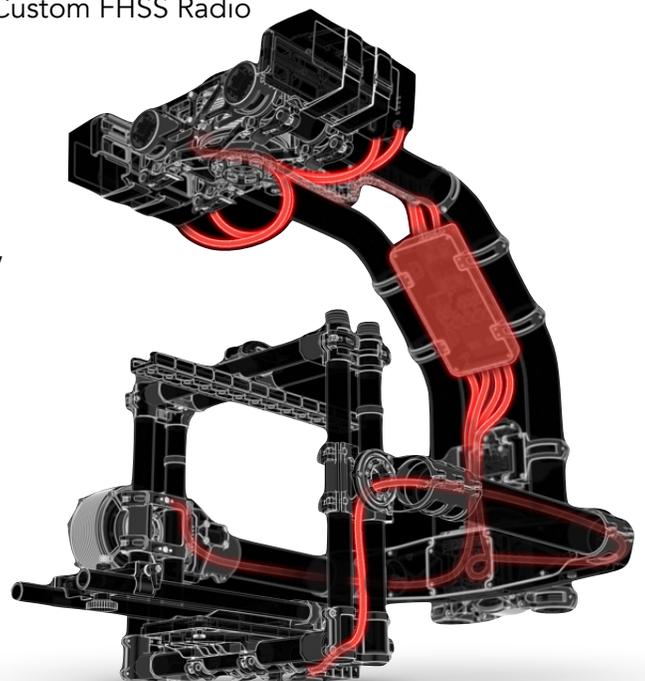
### **BATTERY**

Nominal Battery Voltage: 22.2V

Max Battery Voltage: 25.2V

Battery Capacity: 10000 mAh

Max Continuous Discharge Rate (Per Pack): 25C



# MōVI Controller

The MōVI Controller enables control of pan, tilt, and roll along with the ability to tune and adjust MōVI's parameters on the fly. The MōVI Controller features a precision Pan/Tilt joystick as well as high resolution Focus, Iris, and Zoom controls.



## MōVI XL WHEELS

MōVI Wheels feature a modular, adjustable mounting system that allows for quick positioning of each wheel module for maximum operator comfort. The wheels are designed with 16 bit magnetic encoder sensors which provide compact, robust, and precise control and minimum latency. Wheel position can be fine tuned for the users preference. The operator can quickly control wheel direction, wheel friction, gear ratios, or kill wheel.



# Raptor ISO Dampener & Vibration Isolator

The Raptor ISO Dampener is designed with two dampeners with high-speed steel bearings for each axis. This increases the efficiency of gimbal heads by reducing rotational stress and smoothes out pan errors by isolating high frequency vibrations between the mount & head and delivers perfect results. This makes it suitable for any 3-Axis Gimbal system like the MōVI XL. Due to its adjustable springs and hydraulic dampeners, it can be finely tuned and balanced. It can manage payloads up to 198lbs.

The vibration isolator helps dampen vibrations by isolating shock away from the camera via a set of shock modules. It helps remove high-frequency vibrations and dampens low frequency oscillations.

