

## XR II Gyro Stabilized Head

We've learned a lot since the XR was first released in 2002, and in 2008 applied all that knowledge into our aerial version of the XR—the Eclipse, which in 2012 earned us an Academy of Motion Pictures Arts and Sciences Scientific and Engineering Award. Based on that success we've refurbished and upgraded the original XR with the best of the Eclipse improvements, and proudly introduce the XR II.

### Major improvements:

**New Software and Sled Design**— Installing and tuning new payloads is now a snap.

Can now use any standard production supplied camera and lens package right off the truck. No more need for our technicians to build up the camera with our FIZ drives or custom sleds.

**Stronger Motors**— Better stability for even larger payloads. 150lb+

**Moved the Stabilizing Unit (SU) onto its side**— Allows for even larger payloads, and easier access to all sides of the camera. Arri Alexa, Red Epic, Sony F65, IMAX 70mm, 3D, and good old 35mm film is no problem with up to a 24:290mm lens.

**Mechanical Configurations:** The system is composed of six major components. A stabilizing unit (SU), an operators console, a power supply (APU), and three identical rings (pan, tilt, roll). The rings can be assigned in any order. XR software tables currently allow for the following ring configurations:

**2-Axis: PT (pan/tilt):** This 2-axis configuration is suitable in relatively static environments where the mounting interface will not encounter angular changes greater than +/- 3 degrees. On a telescopic crane, a leveling head is required.

**3-Axis:** In a 3-axis configuration, the PICTORVISION XR can maintain a level or controlled horizon regardless of the angular changes encountered by the mount. This is particularly useful on vehicles that have a large degree of pitch, roll, and yaw and allows the XR to be used without a leveling head. Common 3-axis configurations are:

• **PRT (pan/roll/tilt)\***

At level look out roll is limited to +/- 89 degrees

Max. roll angle increases with look down angle

No limitation on look down angle

Supports transitional steering

\* For most cinematic applications the PRT configuration yields the most flexibility

• **PTR (pan/tilt/roll)**

80° Continuous roll at level look out

Maximum look down angle of -89 degrees when crane arm is parallel to ground

Look down angle increases as arm tilts up

Does not support transitional steering

**Grip Department Information:**

**Applications include:** Cranes, fixed arm, camera car, boat, ascender rig, etc.

**Power requirements:**

- 110V AC 2kw generator if alone. 3kw if sharing
- 30V 40 amp hour battery

- 28V DC 6 amp avg / 20 amp peak
- Inverters not recommended

**Overall dimensional information:**

Because the XR is so configurable, we refer to its overall size in terms of its sphere of influence.

Overall size, depending on camera package, is from a 24 to 44 inch cube

Weight:

3-Axis: The XR is 110 lbs w/out camera package

2-Axis: The XR is 85 lbs w/out camera package

Lens distance from Mitchell adapter is between 18-26 inches, depending on configuration

Average 24 inch to lens distance

