Reliably Accurate Robotic Pedestals
Power, Precision, and Reliability

The CamBot range of free-roaming pedestals offers three distinct choices to suit a wide variety of studio applications and capital budgets. All three members of the series are built on the same proven pedestal base. This box features the industry’s best accuracy and floor repeatability, fast and easy targeting, and a straightforward design that provides years of reliable, low-maintenance operation.

**600XY-S2**

With its breakthrough, entry-level price point, the 600XY-S2 combines a 2-stage lift with the 600PT head. With a net payload of 227 lbs (103 kg), the 600XY-S2 can handle most of today’s studio camera configurations, including ENG/EFP-style cameras and lenses, with full-sized teleprompters, talent monitors, clocks and tally lights.

**700XY**

The mid-range 600XY-S3 provides a 50% increase in elevation range over the 600XY-S2 providing for a wider range of shots to be achieved, including the ability to more naturally cover both standing and seated talent positions.

**700XY**

At the top of the range sits the market-leading 700XY, whose payload capacity, accuracy and reliability are unmatched in the industry. With a 213 lb (97 kg) net payload, the 700XY can support some of the largest box lenses and studio cameras still in use today.

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### FEATURES & BENEFITS

#### LOCAL / MANUAL CONTROL

CamBot’s local control module allows an operator to convert the system to a manually operated pedestal and pan-tilt head at the flick of a switch. Because the motors and encoders remain engaged at all times, the robot continues to track its position, eliminating the need for re-homing once it is returned to full robotic control.

#### RAPID, ACCURATE TARGETING

Targeting is based on optical pattern recognition technology that provides millimeter accuracy and takes less than a second to complete.

#### VIRTUAL TRACKING DATA

All CamBot XY-pedestals offer high resolution virtual tracking data as a standard feature on all seven axes, even when being operated manually. Combined with unbeatable floor accuracy, CamBot XY pedastals are ideal for adding augmented reality to existing hard sets, or for use in full-blown virtual sets.

#### KEYFRAMED MOVES

Using MotionDirector technology, all CamBot XY pedestals can be programmed with keyframes and adjusted while in motion. Manual (joystick) movements can be recorded, one or more axes at a time, overtop of a keyframed move.

### SPECIFICATIONS

The 600XY-S2 & S3 & 700XY provide industry leading performance in a compact, reliable, and low maintenance free-roaming XY pedestal.

<table>
<thead>
<tr>
<th>FEATURE / PERFORMANCE PARAMETER</th>
<th>600XY-S2</th>
<th>600XY-S3</th>
<th>700XY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. NET PAYLOAD</td>
<td>57 kg (125 lbs)</td>
<td>57 kg (125 lbs)</td>
<td>90 kg (200 lbs)</td>
</tr>
<tr>
<td>MAX LIFT SPEED</td>
<td>12.7 cm/s (5”)</td>
<td>15 cm/s (6”)</td>
<td>15 cm/s (6”)</td>
</tr>
<tr>
<td>ELEVATION RANGE</td>
<td>50.8 cm (20”)</td>
<td>76.2 cm (30”)</td>
<td>76.2 cm (30”)</td>
</tr>
<tr>
<td>MAX. ELEVATION (TO TILT AXIS)</td>
<td>163 cm (64.1”)</td>
<td>179 cm (70.6”)</td>
<td>179 cm (70.6”)</td>
</tr>
<tr>
<td>MAX. XY SPEED</td>
<td>30 cm/s (12”)</td>
<td>30 cm/s (12”)</td>
<td>30 cm/s (12”)</td>
</tr>
<tr>
<td>X Y REPEatability</td>
<td>±0.1%</td>
<td>±0.1%</td>
<td>±0.1%</td>
</tr>
<tr>
<td>MIN.-MAX. PAN/PTILT SPEED</td>
<td>0.001 - 90 deg/sec</td>
<td>0.001-90 deg/sec</td>
<td>0.001-90 deg/sec</td>
</tr>
<tr>
<td>MAX. PAN/PTILT REPEatability</td>
<td>±0.1%</td>
<td>±0.1%</td>
<td>±0.1%</td>
</tr>
<tr>
<td>SYSTEM WEIGHT</td>
<td>147 kg (324 lbs)</td>
<td>162 kg (357 lbs)</td>
<td>170 kg (375 lbs)</td>
</tr>
<tr>
<td>VIRTUAL TRACKING DATA</td>
<td>Included, 7-axes</td>
<td>Included, 7-axes</td>
<td>Included, 7-axes</td>
</tr>
</tbody>
</table>
Ross Video has a complete range of technical services available to ensure that your CamBot installation is a success. 

**Operational Training** can be provided at Ross Video, on-site, or on the web. Experienced Ross operators will teach your staff to get the most out of your new system and enhance your productions.

**Commissioning** is a service to help get your production system properly configured, connected, and installed. This service is performed by factory-trained Ross technical staff.

**Technical Training** can be provided at Ross Video, on-site, or over the web. Technical training will teach your engineering staff the technical details of the system you have purchased. System configuration, interfaces, databases, and routine maintenance procedures are some of the topics covered.

Your CamBot comes standard with a 1 year comprehensive warranty. Extended Warranties on hardware and software maintenance are available for an annual fee.

Technical advice is available on-line, by telephone, or email to Ross Video – Included for the life of your system.

**Contact Us**

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