

# PTA-1 Robotic Head



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## KEY FEATURES

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- ▶ Outdoor-ready (IP65 rated)
  - ▶ Removable camera sled
  - ▶ Up To 25kg payload capacity
  - ▶ Fully remote controlled
  - ▶ Camera agnostic
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## TECHNICAL INFORMATION

<b>Weight</b>	<ul style="list-style-type: none"> <li>▶ Arm: 11.8kg</li> <li>  Camera Platform: 3.2kg</li> <li>▶ Connection cable (umbilical)               <ul style="list-style-type: none"> <li>• 5m: 1.10kg • 10m: 2.10kg • 15m: 3.10kg • 20m: 4.10kg • 30m: 6.10kg</li> </ul> </li> <li>▶ Connection cable (short)               <ul style="list-style-type: none"> <li>• 320mm: 0.30kg</li> </ul> </li> <li>▶ Breakout box 4kg</li> </ul>
<b>Camera payload</b>	25kg
<b>Connections (via camera platform)</b>	<ul style="list-style-type: none"> <li>▶ RJ45 Gigabit Ethernet (1000 BASE-T) (IEEE 802.3ab) for Camera</li> <li>▶ 3G HD SDI Max output 1080p 50/60 FPS</li> <li>▶ Camera power 12V</li> <li>▶ Switchable 24VDC 1A</li> <li>▶ Serial lens connection (10 pin Hirose)</li> <li>▶ Lens motor lemo connections for Zoom and Focus</li> </ul>
<b>Connections (via power supply unit)</b>	<ul style="list-style-type: none"> <li>▶ RJ45 Gigabit Ethernet (1000 BASE-T) (IEEE 802.3ab) for Camera</li> <li>▶ 3G HD SDI Max output 1080p 50/60 FPS</li> <li>▶ 24VDC 9.2 A</li> </ul>
<b>Power requirements</b>	100 – 240 VAC 16A
<b>Temperature range</b>	0 – 45 degrees Celcius
<b>IP Rating</b>	IP65 (with connector plate seal modification)
<b>Humidity tolerance</b>	0% to 85% relative humidity, non-condensing
<b>Axes speed</b>	<ul style="list-style-type: none"> <li>▶ Pan: 0.001° – 180° per second</li> <li>▶ Tilt: 0.001° – 180° per second</li> <li>▶ Zoom: 0.001° – 60° per second</li> <li>▶ Focus: 0.001° – 60° per second</li> </ul>
<b>Accuracy of playback (angular resolution)</b>	0.3 arc-min
<b>Software</b>	MHC
<b>Computer requirements</b>	<p>Minimum requirements:</p> <ul style="list-style-type: none"> <li>▶ Windows 10</li> <li>▶ Intel i3 CPU (Intel i5 recommended)</li> <li>▶ 4GB of RAM (8GB recommended)</li> <li>▶ Ethernet adapter</li> <li>▶ A graphics card with support for OpenGL v4.3 or greater</li> </ul>

## TECHNICAL INFORMATION

### What is in the box

- ▶ Main connection cable
- ▶ Power supply unit and clamp
- ▶ Arm Camera Platform connection cable
- ▶ Mounting plate and clamps
- ▶ PTA-1 Arm
- ▶ Camera platform
- ▶ Mains cable
- ▶ Ethernet cable
- ▶ Safety latching

## CONNECTOR PLATE



## MOUNT



## DIMENSIONS

