Clean and Stable system set-up configuration

With different optional in-build interface user is able to choose from RS422, TCP/IP, Single Mode Fiber or wireless to control robotic.

Power Supply to Camera

KT-PD50 able to supply power to camera, allowing user to control the robotic and the camera power from Kxwell Control Panel and no extra DC adaptor needed for camera.

All Your Camera Robotic Needs

KT-PD50 design to use in different application, which VR support as option user is able to install it in virtual studio, with its 20kg payload user can choose to mount Box-Camera or shoulder-mount camera to suit their application.

Control Camera Parameter

Allow user to control the Camera parameter like an RCP on selected camera. Other than the standard Pan, Tilt, Zoom, Focus and Iris control Kxwell provide more control function like controlling Camera's GUI menu, AWB, ABB, Shutter, ND filter and Gain.

SDS (Self-Diagnostic System) Function

Built-in SDS function which allow Robotic Head to keep record the operation duration and advice for maintenance after certain operation duration.

Wide Range of Camera and Lens choices

Support wide range of Pro-Video & Broadcast Cameras and Lens, allowing user to select the best equipment for their application needs.

Variable Speed Control for pan, tilt and lens

Allow operator to have a smooth control on pan, tilt and lens with adjustable speed.
Control Interface:

**Interface: RS422**

- Camera & Lens
- Optional Camera Control Interface & Power Cable
- KT-PD50
- Required for Multiple Robotic Control
- KT-RP8810VB-J2
- Interface : RS422
- Optional Camera Control Interface & Power Cable
- Optional Lens Control Interface Cable
- AC
- AC
- AC
- RS422 ( RJ45 )
- KT-RP8810VB-J2

**Interface: TCP/IP**

- Camera & Lens
- Optional Camera Control Interface & Power Cable
- KT-PD50
- Local Network with Internet Capability
- Ethernet Network
- KT-RP8810VB-J2
- Interface : TCP/IP
- Optional Camera Control Interface & Power Cable
- Optional Lens Control Interface Cable
- AC
- AC
- AC
- IP ( RJ45 )
- KT-RP8810VB-J2

**Optional Interface: Single Mode Fiber**

- Camera & Lens
- Optional Camera Control Interface & Power Cable
- KT-PD50
- Single Mode Fiber
- KT-RP8810VB-J2
- Interface : Single Mode Fiber
- Optional Camera Control Interface & Power Cable
- Optional Lens Control Interface Cable
- AC
- AC
- AC
- RS422 ( RJ45 )
- KT-RP8810VB-J2

Optional Firmware and Interface Cable:

- **Sony:**
  - KT-EX312
- **Iklegami:**
  - HDL Series - KT-CA9STHDL
- **Panasonic:**
  - AW Series - KT-CA9ST50P
  - AK Series - KT0CA9STAK
- **Hitachi:**
  - DK Series - KT-CA9STDK
  - HV Series - KT-CAST15P
- **Canon:**
  - KT-CAST20PB-C
  - KT-CA9ST9P-2A
- **Fujinon:**
  - KT-CA9ST20PA-F
  - KT-CA9ST9P-2A

**Specification:**

<table>
<thead>
<tr>
<th>Item</th>
<th>KT-PD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Payload</td>
<td>20 Kg, .44.1 Lbs</td>
</tr>
<tr>
<td>Pan / Tilt Range</td>
<td>Pan: 330°; Tilt: +100°/~-100° (Support Limit Set)</td>
</tr>
<tr>
<td>Pan / Tilt Speed</td>
<td>Pan: 0.1°~60°/S; Tilt: 0.1°~60°/S</td>
</tr>
<tr>
<td>Accuracy</td>
<td>0.01°</td>
</tr>
<tr>
<td>Pre-Set Position</td>
<td>1000 (Pan, Tilt, Lens)</td>
</tr>
<tr>
<td>Noise Level</td>
<td>40dB</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>-10°C ~ 45°C, 14F ~ 113F</td>
</tr>
<tr>
<td>Power supply</td>
<td>AC (100 ~ 240V)</td>
</tr>
<tr>
<td>Wattage</td>
<td>70Watts (Excluding Camera)</td>
</tr>
<tr>
<td>Weight</td>
<td>10 Kg, 22.1 Lbs</td>
</tr>
<tr>
<td>Optional Install Mount</td>
<td>Tripod, Wall Mount, Ceiling Mount.</td>
</tr>
<tr>
<td>Communication Protocol</td>
<td>KXWELL Protocol (default), Sony Visca, Panasonic AW, PELCOD</td>
</tr>
<tr>
<td>Self Diagnostic System</td>
<td>Support</td>
</tr>
<tr>
<td><strong>Optional Interface</strong></td>
<td></td>
</tr>
<tr>
<td>RS422</td>
<td>1.2 Km (Default)</td>
</tr>
<tr>
<td>TCP/IP</td>
<td>100 m (Option)</td>
</tr>
<tr>
<td>Wireless Control</td>
<td>2 Km @ 433MHz; 300 m @ 2.4 GHz (Option)</td>
</tr>
<tr>
<td>3G Fiber</td>
<td>20 Km; Control signal and HD/SD SDI (Option)</td>
</tr>
<tr>
<td>1.5G Fiber</td>
<td>20 Km, 40Km, 80Km; Control signal and HD/SD SDI (Option)</td>
</tr>
<tr>
<td><strong>Control Panel</strong></td>
<td>KXWELL Control Panel</td>
</tr>
<tr>
<td></td>
<td>KT-RP8705, KT-RP8810VB-W-J2, KT-RP8800-J2,</td>
</tr>
<tr>
<td></td>
<td>KT-RP8910-J2</td>
</tr>
</tbody>
</table>

**Dimension:**

- Unit: mm

*Above Information may vary according to requested configuration*