### Technical Specifications

**PTZx 12**

- **Video**
  - Camera: Sony block camera
  - Image sensor: 1/4" Exview HAD CCD
  - Effective pixels (NTSC/PAL): 380K/440K, 480K/570K

- **Controls**
  - Motor drive: 0-5 rpm
  - Home feature: (left joystick button)
  - Manual focus: (right joystick left/right)
  - Auto focus: (right joystick button)

- **Power**
  - Input: 100-240 Vac, 4A, 50-60 Hz

**PTZx 40**

- **Video**
  - Camera: Sony block camera
  - Image sensor: 1/4" Exview HAD CCD
  - Effective pixels (NTSC/PAL): 380K/440K, 480K/570K

- **Controls**
  - Motor drive: 0-5 rpm
  - Home feature: (left joystick button)
  - Manual focus: (right joystick left/right)
  - Auto focus: (right joystick button)

- **Power**
  - Input: 100-240 Vac, 4A, 50-60 Hz

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**Turn-key pan/tilt camera with expandable illumination fits through sub-4” openings.**

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The PTZx Inspection Camera System comes complete with a customized shipping case that offers mobility and protection for your equipment.

It houses a custom foam cutout to fit the PTZx system, with a zipper pocket organizer in the lid. The case also features a built-in spring loaded pull handle with 2-person fold-down handles for ease of lifting.

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**Ideal for:**
- Storage tanks and vessels (underground and above)
- Nuclear reactor pressure vessels and fuel pool
- Refractory-lined vessels, drums, towers, stacks
- Underground vaults, manholes, shafts

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This sub-4” portable camera inspects storage tanks, vessels, drums, towers, stacks, piping and confined spaces. Integral LED lights output 1700 lumens, with optional auxiliary boosting output up to 5700 lumens. Other features include a low-lux, high-res CCD imager, zoom optics and continuous rotation plus 270 degrees of tilt.

- 360-degree continuous rotation; 270-degree tilt
- 12x or 40x optical zoom
- High-res CCD imager with sensitivity control for reflective surfaces
- Corrosion-resistant nickel-plated aluminium with stainless steel
- Submersible to 100’ LED lamps to 5700 lumens

**Configuration**

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Lumens (12x/40x)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integral light</td>
<td>1200/1700</td>
</tr>
<tr>
<td>Integral + spot (×1)</td>
<td>1700/2200</td>
</tr>
<tr>
<td>Integral + spot (×2)</td>
<td>2200/2700</td>
</tr>
<tr>
<td>Integral + flood (×1)</td>
<td>3200/3700</td>
</tr>
<tr>
<td>Integral + spot (×1) + flood (×1)</td>
<td>3700/4200</td>
</tr>
<tr>
<td>Integral + flood (×2)</td>
<td>5200/5700</td>
</tr>
</tbody>
</table>

**DVR Monitor**
- 5” TFT color LCD screen with sun shield
- Date/time stamp
- Stills captured as uncompressed BMP
- Video recorded as AVI
- Integrated mic with on/off
- SDHC card storage up to 32GB
- Toshiba FlashAir SD card compatibility

**Control Unit**
- 45m cable reel, extendable up to 90m
- Auto/manual focus
- Adjustable light intensity control
- Camera position memory
- Image control (below, left to right: grid, reticle, negative image, image flip, freeze frame)

**Magnetic Base**
- Four disc magnets with rubber mounts for uneven surfaces
- Allows camera to hang from steel surface
- Anodized aluminum

**Lowering Pole**
- Carbon fiber tubing
- 6” (1.8m) length each
- Connect two or more
- Threaded stainless ends
- Cam lock safety screw

**Pole Camera Adapter**
- Mounts to camera base with included screws
- Threads onto pole
- Stainless steel

**Tank Flange Mount**
- Mounts to flanged openings 4-24” (DN150-DN600)
- Clamps pole to stabilize camera
- Aluminium construction

**Auxiliary LED SPOT Light**
- 9W, 500 lumens

**Auxiliary LED Flood Light**
- 17W, 2000 lumens (×2)