IK-WP41A
High-Speed IP Network
PTZ Dome Camera

Outdoor ready, 20x optical zoom

The Toshiba IK-WP41A IP PTZ dome camera is enabled with 20x optical zoom and 1080p full HD resolution to capture large areas with fine detail. With high speed pan, tilt, zoom and day/night capabilities, it is ideal for use in transportation, public space, and warehouse locations. Advanced preset and auto patrol functions offer flexible coverage while 802.3at Power over Ethernet Plus simplifies installation.

- 20x optical zoom provides sharp, up-close details for accurate identification
- Full 1080p HD video high resolution image capture (1920 x 1080)
- IR cut filter for day/night operation
- Wide dynamic range optimizes visibility in difficult lighting conditions
- Continuous 360° PTZ
- Self-contained IP66 housing
- H.264 compression
- PoE+ (802.at)
- Two year warranty
## Camera

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image sensor</td>
<td>1/2.8 inch progressive scan CMOS</td>
</tr>
<tr>
<td>Effective pixels</td>
<td>1920 x 1080 (2MP)</td>
</tr>
<tr>
<td>Lens</td>
<td>Vari-focal f=4.7mm to 94mm, F=1.6 (wide), F=3.5 (tele)</td>
</tr>
<tr>
<td>Lens type</td>
<td>Auto focus</td>
</tr>
<tr>
<td>Zoom</td>
<td>20x optical, 12x digital</td>
</tr>
<tr>
<td>Pan/Tilt</td>
<td>360° continuous pan / 85° (indoor) tilt, 92° (outdoor) tilt</td>
</tr>
<tr>
<td>Viewing angle</td>
<td>2.9° (tele) to 55.4° (wide) horizontal</td>
</tr>
<tr>
<td>Min. Illumination</td>
<td>Night mode: 0.3 lux (F1.6, 1/30 sec, 50IRE), Day mode: 1.7 lux (F1.6, 1/30 sec, 50IRE)</td>
</tr>
<tr>
<td>Electric shutter</td>
<td>1-1/10,000</td>
</tr>
</tbody>
</table>

### Camera Features

- **Day/Night**: Yes, IR cut filter
- **Wide Dynamic Range**: Auto, On and Off
- **White balance**: Auto, ATW, Indoor, Outdoor, One-Push
- **Gain (AGC)**: Auto, Manual
- **BLC**: Yes
- **Privacy mask**: Yes, 8 zones
- **Motion detection**: Yes
- **Pan/Tilt speed**: Auto: 0.1 - 430°/s pan, 0.1 - 200°/s tilt Manual: 0.1 - 120°/s pan, 0.1 - 90°/s tilt
- **PTZ features**: 128 presets, auto patrol, auto flip, auto restore, proportional pan/tilt

### Video

- **Compression**: H.264, MJPEG
- **Resolutions**: 1080p, 720p, 480p, VGA, QVGA, CIF
- **Frame rate (max) **: Up to 30 fps @ 1080p (H.264) Up to 30 fps @ 1080p (MJPEG)
- **Video streams**: 2 simultaneous @ 720p, single @ 1080p

### Audio

- **Audio Compression**: PCM, G711
- **Audio In/Out **: Line Out (1 Vrms)

## Network

- **Protocols**: IPv4, TCP/IP, UDP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, ARP
- **Security**: Password protection (Administrator and 5 users)
- **Basic authentication**: Yes (Windows standard)
- **Bandwidth control**: TBD
- **Camera set-up program**: TBD
- **Plug-In**: Active X
- **Alarm recording**: FTP, email, SD card

## Interface

- **Ethernet connectors**: 10 Base-T/100 Base-TX, RJ45
- **Digital In/Out**: 6 IN / 1 OUT
- **SD card slot**: SDHC

## General

- **Dimensions**: 12.76 inch (H) x 8.53 inch (Diameter) (324mm x 216.6mm)
- **Weight**: 8.38 lbs (3800g)
- **Power requirements**: 24V AC±15 % 60Hz or 802.3at PoE+
- **Power consumption**: 55w max (using 24VAC)
- **Operation temperature**: PoE: 14°F - 122°F (-10°C - 50°C) 24VAC: -22°F - 122°F (-30°C - 50°C)
- **Operation humidity**: ~ 90%
- **Storage temperature**: -22°F to 140°F (-30°C to 60°C)
- **Storage humidity** : ~90%
- **OS**: TBD
- **Approvals**: FCC Class A, UL 60950-1, cUL
- **Environmental**: IP66

## System Requirements

- **Web browser support**: Internet Explorer® Ver. 8.0 or later
- **Supported OS**: Windows® XP, Vista® Business, Windows 7 professional
- ***1**: Varies in accordance with the object, image quality, network environment and performance of the client used. FPS decreases by half when WDR is on.
- ***2**: Sound quality varies depending on the condition of the network.
- ***3**: Heater must be powered by 24VAC.
# Included Accessories

- Allen wrench
- RJ45 Coupler
- Quick Start guide and Important Safeguards
- Torx wrench
- Silica-gel
- Warranty card
- Screw (1/4-20UNC, 12mm)
- CD-ROM

# Optional Accessories

<table>
<thead>
<tr>
<th>Accessory Type</th>
<th>Part Number</th>
<th>Description</th>
<th>Photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Mount</td>
<td>JK-WM41A</td>
<td>Wall mount</td>
<td></td>
</tr>
<tr>
<td>Wall Mount</td>
<td>JK-WMB41A</td>
<td>Wall mount with junction box</td>
<td></td>
</tr>
<tr>
<td>Corner Mount Adapter</td>
<td>JK-CM41A</td>
<td>Corner mount adapter&lt;br&gt;Use with JK-WM41A or JK-WMB41A</td>
<td></td>
</tr>
<tr>
<td>Pole Mount Adapter</td>
<td>JK-PM41A</td>
<td>Pole mount adapter&lt;br&gt;Use with JK-WM41A or JK-WMB41A</td>
<td></td>
</tr>
<tr>
<td>Pendant Mount</td>
<td>JK-PH41A</td>
<td>Pendant mount</td>
<td></td>
</tr>
<tr>
<td>Pendant Mount</td>
<td>JK-PMB41A</td>
<td>Pendant mount with junction box</td>
<td></td>
</tr>
<tr>
<td>Parapet Mount</td>
<td>JK-PP41A</td>
<td>Parapet mount</td>
<td></td>
</tr>
<tr>
<td>Sun Shield</td>
<td>JK-SS41A</td>
<td>Sun shield</td>
<td></td>
</tr>
<tr>
<td>Pendant Pipe</td>
<td>JK-PMP41A</td>
<td>Pendant pipe&lt;br&gt;Use with JK-PM41A or JK-PMB41A</td>
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