Specifications

**Camera**
- **Sensor:** 1/2.8 low lux CMOS 2M pixel
- **Frame rate:*** 1080p, 720p, 1024x576, 960x540, 848x480, 640x360, 424x240, 320x240, 320x180
- **Scan:** Progressive
- **Lens zoom:** 12x true optical zoom
- **Lens focal length:** 3.9mm (wide) ~47.3mm (tele)
- **Lens F-stop:** 1.8 (wide) ~ 2.8 (tele)
- **Iris, AE:** auto; manual override by PTZapp
- **White balance:** auto; manual override by PTZapp using color temp
- **Auto focus:** minimum working distance 1 meter
- **Field of view:** horizontal 72° (wide) ~6.3° (tele)
- **Minimum illumination:** 3.5 lx (50 IRE, F1.8, shutter 1/30)
- **S/N ratio:** > 50dB
- **Control:** IR remote control, VISCA via RS232, UVC, PTZapp
- **Security and mount:** Camera mount included for tabletop, wall or ceiling

**Pan and Tilt Movement**
- **Pan:** ±130°, 0.45° step
- **Tilt:** +90° (up) -25° (down), 0.25° step
- 10 camera presets (through remote control) 100 (through VISCA & UVC)

**HDMI format**
- Controlled by on screen menu auto or dip switch

**System requirement**
- Windows 7/10
- Mac OS X 10.7 or higher
- Google Chromebook version 29.0.1547.70, Platform 4319.79.0

**Hardware Spec**
- 2.4GHz Intel® Core 2 Duo processor
- 2GB RAM or more
- Hard drive space for recorded videos USB 2.0 port

**PTZapp application**
- Advanced setting, troubleshooting and firmware update for PC/Mac

**Power supply**
- AC 100V ~240V, 50/60Hz
- Consumption: EIAJ 12V, 4A

**Environmental data**
- Operation temperature: 0 ~40°C
- Operation humidity: 20% ~80%
- Storage temperature: -20 ~60°C
- Storage humidity: 20% ~80%

**Dimension**
- Package dimensions: 370 x 252 x 275mm
- Package weight: 4.19 kg
- **Camera:** 180 x 140 x 182 mm
- **Remote control:** 50 x 200 x 20 mm

**Package contents**
- Camera
- Remote control
- Power adapter
- 16ft USB cable
- 3M HDMI Cable
- RS232 Cable
- Metal mount, tripod screw

**Optional accessories**
- Mini DIN8 to RS232 adapter

**Warranty**
- 3-year standard warranty
- Advanced replacement first year (USA only)

*USB 1080p 60fps requires enabling H.264 using PTZapp

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**Professional Quality 12X USB & HDMI PTZ Camera**

1080p Plug-N-Play camera (no driver needed) for most applications

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