KT-A31V

4K audio and video all-in-one camera

- 4K UHD 30FPS
- MECHANICAL PTZ
- AUTO FRAMING
- ARRAY MICROPHONE SPEAKER
- SOUND TRACKING

Features

- **Integrated design:**
  The integrated design of 4K Ultra HD camera, linear microphone array and full frequency loudspeaker reduces wiring and after-sale to make video communication easier.

- **4K Ultra HD:**
  With SONY 1/2.8" Progressive CMOS, 8 megapixel, superior quality sensor, it can achieve high-quality image in 4K (3840 * 2160) ultra-high resolution, compatible with 1080p, 720p and other resolutions. It can meet the needs of users for different video experience and provide more clear, real, smoother, and accurate communication.

- **Mechanical PTZ design:**
  Support the rotation function of micro-motion mechanical pan/tilt. With 105 degree large wide-angle, it can achieve the shooting range of 120 degree visual video.

- **Audio 3A algorithm:**
  The built-in audio 3A algorithm and full-duplex dialogue can meet the communication needs of different scenarios, whether you are standing or sitting, it can make the communication clear.
**Full frequency speaker:**

Full-frequency and high-fidelity speakers with professional acoustic design can reduce the sound interference and provide extraordinary sound effects.

**AI intelligent analysis:**

Built-in intelligent algorithm, identification of people, automatic zooming of participants, automatic tracking of speaker's voice, to ensure that the speaker or actor is always on the screen.

**USB3.0 Plug and play:**

The plug-and-play USB interface is directly connected to the computer, which can reduce wiring and make you use the camera once out of the box to lower the user's using threshold.

**Application:**

Designed for small and medium-sized meeting rooms, it provides flexible installation options such as desktop, wall mounting, and on the top of large screens, making it easier to be quickly deployed and installed in crowded meeting rooms.

### Specifications

<table>
<thead>
<tr>
<th>Camera</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>3840<em>2160,1920</em>1080,1280<em>720,960</em>540,800<em>600,720</em>576,720<em>480,640</em>480,640<em>360,352</em>288,320*240</td>
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<tr>
<td>Image Sensor</td>
<td>SONY 1/2.8&quot; Progressive CMOS 8.5 megapixels</td>
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<tr>
<td>Effective Pixels</td>
<td>8.5 Megapixels (16:9)</td>
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<tr>
<td>Video Output</td>
<td>USB 3.0 (Compatible with USB 2.0)</td>
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<tr>
<td>Lens</td>
<td>4k Fixed Focus Lens</td>
</tr>
<tr>
<td>Aperture</td>
<td>2.1mm</td>
</tr>
<tr>
<td>Horizontal View Angle</td>
<td>105°</td>
</tr>
<tr>
<td>Mechanical PTZ</td>
<td>Horizontal: 18° ±9°, Vertical: 18°±9°</td>
</tr>
<tr>
<td>Digital Noise Cancellation</td>
<td>3D Digital Noise Cancellation</td>
</tr>
<tr>
<td>Auto Framing</td>
<td>Support</td>
</tr>
<tr>
<td>Digital Noise Cancellation</td>
<td>3D Digital Noise Cancellation</td>
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<tr>
<td>Backlight Compensation</td>
<td>Support</td>
</tr>
<tr>
<td>Color Light</td>
<td>Support</td>
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<tr>
<td>Sound Tracking</td>
<td>Support</td>
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<tr>
<td>Image Flip</td>
<td>180°</td>
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<tr>
<td>Image Mirror</td>
<td>Support</td>
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<tr>
<td>White Balance</td>
<td>Automatic / manual</td>
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<tr>
<td>Intelligent application</td>
<td>Auto view, audio tracking, digital zoom</td>
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<tr>
<td>Ant- Flicker</td>
<td>50HZ/60HZ</td>
</tr>
<tr>
<td>Video Adjustment</td>
<td>Brightness, Gain, Saturability, Contrast ratio, Definition, Gamma</td>
</tr>
</tbody>
</table>
### S/N ratio
>55dB

### Language
English / Chinese

### Remote Control
IR Control

#### Audio video
- **Pickup**: Built in 4 mics
- **Speaker**: Built in speaker
- **Microphone array**: Linear array microphone, pickup distance up to 8 meters

#### USB Feature
- **Protocol**: UVC 1.1
- **Operation System**: Window7 and above, MacOS, Linux, Android
- **UVC video encoding format**: YUY2, MJPEG, H.264, H.265
- **UVC video resolution**: 320x240, 640x480, 720x576, 800x600, 1280x720, 1920x1080, etc
- **UVC video FPS**: Up to 30fps

#### Interface
- **USB port**: 1 line, USB 3.0, Type-B socket
- **MIC**: 3.5mm MIC IN
- **Audio Expansion**: LINE-IN: Support externally extended 3.5mm passive microphone input

#### General Specifications
- **Input Voltage**: DC 12V
- **Input Current**: Max. 1A
- **Power Consumption**: Max. 12W
- **Camera Dimensions**: (L)400×(W)70×(H)45mm Host
  
  (L)400×(W)92×(H)82mm Host with bracket
- **Weight**: 950g
- **Accessories**: Power adapter x1, IR remote x1, USB3.0 cable x1, User manual x1