

4K ULTRA HD AUTO TRACKING CAMERA

12X optical zoom

PROINTEK
PTK-7080
PTZ Camera



Prointek PTK-7080 PTZ camera with a resolution of 4K and 12X optical zoom is a highly advanced piece of technology with multiple interfaces, including USB3.0, HDMI, and SDI. Its unique selling point is the AI auto framing and auto tracking feature, which allows for seamless video capturing, making it ideal for home office, online meeting, vlogging, streaming, and online teaching. This PTZ camera is also perfect for conference room meetings as it supports IP control and has multiple ports, including RS232 input and output, RS485 Compatible RS422, PoE, and Line In. The rotary dip switch is another valuable feature that enables users to control the camera's rotation and zoom capabilities. With its top-of-the-line features and versatility, this PTZ camera is a must-have for anyone looking to elevate their video capturing and conferencing capabilities.

Main Features

Prointek PTK-7080



Auto Tracking



4K 30fps



12x Optical
zoom



Auto Focus
Technology



Low Noise and
High SNR



Multiple
Connections



Multiple Audio
Compression Formats



Audio
Input Jack



Built-in
Gravity Sensor



Multiple
Network Protocols



Control
Jack



Multiple
Control Protocols



Quiet PTZ
Movement



IR & Wireless
Remote Control



255 Presets

Appearance Display



The appearance display is an essential aspect to consider when selecting a PTZ camera, as it can impact the camera's functionality and ease of use.

- ✓ **Multiple Connections:** It supports for HDMI, SDI, USB3.0, wired LAN and PoE. USB3.0 supports dual stream and SDI supports 100 meters transmission at 1080P60.
- ✓ **Multiple Audio Compression Formats:** It supports for YUY2、MJPEG、H.264、H.265、NV12 video coding formats. And the resolution of 3840X2160 at 30FPS is available under MJPEG、H.264、H.265 formats. Audio compression formats: AAC、MP3、G.711A
- ✓ **Audio Input Jack:** It supports audio coding in AAC、MP3、G.711A. And the sampling rate of 16000、32000、44100、48000 are available under AAC、MPS formats.
- ✓ **Built-in Gravity Sensor:** It is having built-in gravity sensor, supports for PTZ auto flip, easier for engineer to set up.
- ✓ **Multiple Network Protocols:** It supports for protocols of ONVIF、GB/T28181、RTSP、RTMP、VISCA OVER IP、IP VISCA、RTMPs、SRT、RTMP Push Mode、RTP multi-broadcasting mode, making it easy to link with stream media server (Wowza、FMS)
- ✓ **Control Jack:** RS422 compatible with RS485, RS232-IN, RS232-OUT, RS232 jack is capable of cascading.
- ✓ **Multiple Control Protocols:** It supports for control protocols of VISCA、PELCO-D、PELCO-P, and able to automatically identify the protocols.

AI Human Detection

Boasting high speed processor & advanced image processing and analytic algorithm, PROINTEK PTK-7080 supports real-time tracking & zone-tracking



1. The camera screen locking target A



2. The screen automatically track A (real time), when A moves



3. Until A exists the conference room, the screen will keep on tracking A



4. Once A exists, the camera screen will lock target B



5. The screen automatically tracks B (on real time) if B moves



6. Until B exists the conference room, the screen will keep on tracking B



Zone Tracking

A maximum of 4 areas can be set as tracking area and a max of 4 tracking areas can be selected simultaneously. When two or more tracking areas are selected to work together, users need to keep setting the tracking areas next to each other to ensure the tracking between areas are smooth and coherent without fragmentation.

4K Ultra HD

1/2.8 inch high quality 4K SONY CMOS sensor; 8.50 megapixel, resolution is up to 4K (3840x2160) at 30 FPS



PROINTEK PTK-7080 PTZ camera, equipped with a 4K Ultra HD 1/2.8 inch SONY CMOS sensor, provides an outstanding 8.50-megapixel resolution of up to 4K at 30 FPS. With a powerful 12X optical zoom and a wide 70° viewing angle, this camera captures every detail in stunning clarity, making it perfect for professional videography and live streaming. The advanced auto focus technology ensures fast, accurate, and stable camera movements, giving users a smooth and seamless shooting experience. Whether users using it for a corporate event, a live broadcast, or even personal use, this PTZ camera is the perfect solution to capture your vision with unmatched precision and quality. Don't settle for less; choose our 4K PTZ camera for an exceptional video experience.

12X Optical Zoom

12X optical zoom with 70° viewing angle.
Advanced auto focus technology allows the camera to move fast, accurately, and stably



0x optical zoom



12x optical zoom



Multiple Connections

It supports for HDMI, SDI, USB3.0, wired LAN and PoE.
USB3.0 supports dual stream and SDI supports 100 meters transmission at 1080P60



Multiple Network Protocols

It supports for protocols of ONVIF, GB/T28181, RTSP, RTMP, VISCA OVER IP, IP VISCA, RTMPS, SRT, RTMP Push Mode, RTP multi-broadcasting mode, making it easy to link with stream media server(Wowza, FMS)

Multiple Control Protocols

It supports for control protocols of VISCA, PELCO-D, PELCO-P, and able to automatically identify the protocols

Low Noise and High SNR

Low noise CMOS provides the high SNR. The use of leading 2D, 3D noise reduction technology further reduce the noise while not comprising the clarity of image



Low noise and high SNR (Signal-to-Noise Ratio) are significant advantages in a camera's performance. A low noise CMOS sensor reduces the amount of background noise in the image, resulting in a higher SNR. This means that the camera can capture more details and produce a cleaner image, even in low-light conditions. Additionally, the use of 2D and 3D noise reduction technology helps to further reduce the noise without compromising the image's clarity.

Having a high SNR is especially crucial in security and surveillance applications, where capturing clear and accurate images is essential. In such applications, low noise and high SNR enable cameras to produce high-quality images, even in challenging lighting conditions. In video production, low noise and high SNR are also essential for creating sharp and clear videos. By reducing the amount of noise in the image, the camera can produce cleaner footage, resulting in more professional-looking videos.

Super Quiet PTZ Movement

Adopting step driving motor mechanism and motor drive controller with high precision is to ensure PTZ works smoothly with low speed and without noise



Super quiet PTZ movement is a significant advantage in a camera, especially for applications that require silent operation. This feature is achieved by adopting a step driving motor mechanism and motor drive controller with high precision, which ensures that the PTZ camera moves smoothly with low speed and without any noise.

This feature is especially useful in applications such as live streaming, webinars, and video conferencing, where background noise can be distracting and impact the quality of the audio. A quiet PTZ camera allows users to move the camera as needed, without causing any disruptions or interfering with the audio quality.

Installation

It is built in gravity sensor, supports for PTZ auto flip, easier for engineer to set up

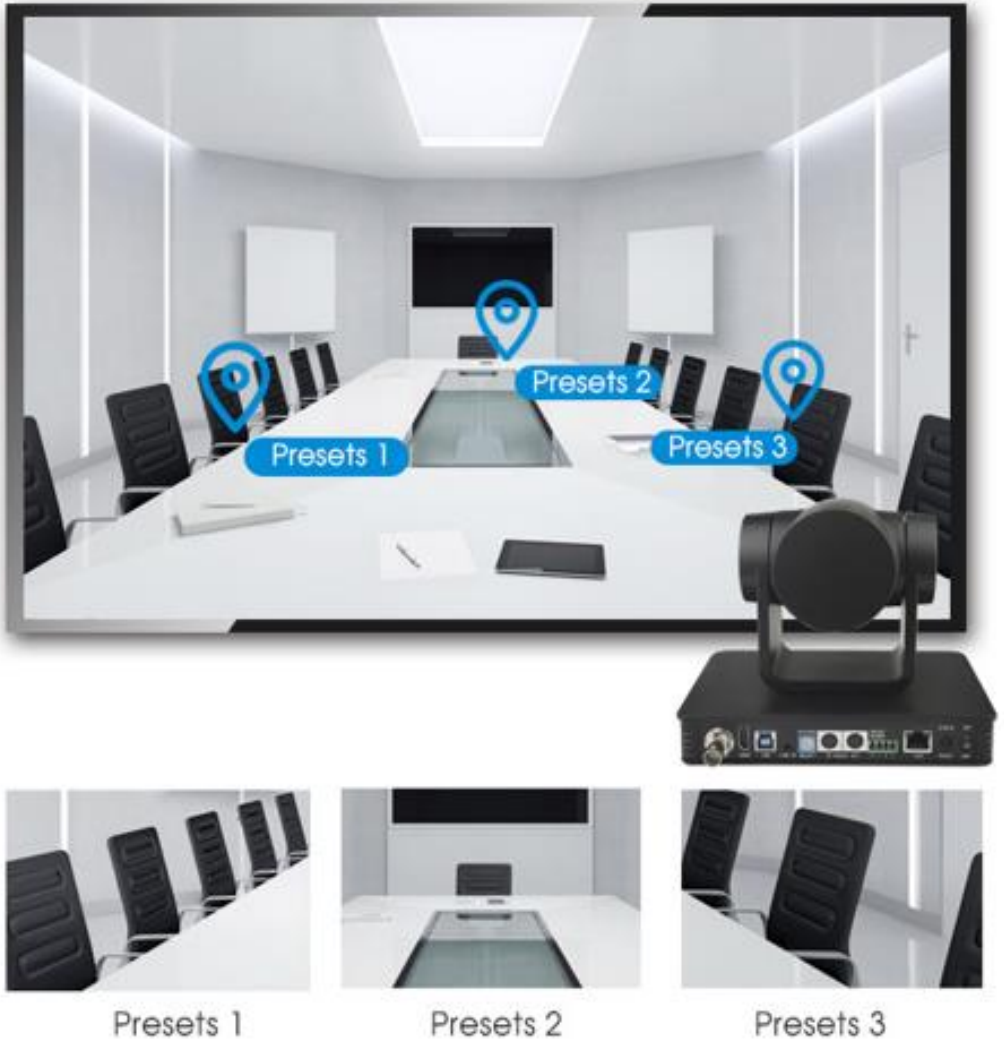


The built-in gravity sensor is a significant advantage of this PTZ camera, making it easier for engineers to set up and configure. This feature supports PTZ auto flip, which means that the camera can automatically adjust its position and orientation when mounted upside down or sideways. This makes it easier for engineers to install the camera in a variety of locations, without the need for additional hardware or manual adjustments.

The gravity sensor also enhances the camera's stability, as it can detect and correct any tilting or shaking caused by external factors, such as wind or vibrations. This ensures that the camera produces smooth and stable footage, even in challenging conditions.

Multiple Presets

It supports for 255 presets(10 presets called via remote control)



The 255 preset feature in a PTZ camera is a significant advantage, as it allows users to save and recall up to 255 different camera positions or settings with just a few clicks. This feature enhances the camera's flexibility and usability, making it easier for users to switch between different camera angles or settings during a video conference or live event.

With 255 preset positions, users can save and recall a wide range of camera positions and settings, such as zoom level, focus, pan, tilt, and more. This enables users to customize their camera settings to meet their specific needs or preferences, such as focusing on a particular speaker or capturing a specific area of a room.

Moreover, the 255 preset feature also enhances the camera's automation capabilities, allowing users to program the camera to switch between different preset positions or settings automatically. This enables users to focus on other aspects of the video conference or event, without worrying about manually adjusting the camera settings.

Low-power Sleep Mode

It supports for low-power sleep/wake up. The power consumption in sleep mode is less than 400mW



Low-power sleep mode is an essential feature in PTZ camera, as it helps to conserve power and extend the camera's battery life. Prointek PTK-7080 PTZ camera supports low-power sleep/wake up, meaning that it can enter into a low-power mode when not in use, and quickly wake up when needed.

The power consumption in sleep mode is less than 400mW, which is significantly lower than the camera's power consumption during operation. This means that users can conserve power when the camera is not in use, without compromising its performance or functionality.

Overall, the low-power sleep mode is a valuable feature in any camera, as it helps to conserve power, extend battery life, and reduce the need for frequent charging. With this feature, users can use the camera for longer periods and capture high-quality footage without any interruptions or disruptions.

Wide Application

Applied in remote teaching, conference system, online training, and tele-medicine.



Network teaching



A business Conference



Video Chat



Video Conference

Compatible with your platform



Compatible systems



IOS/Mac



Android



Windows



Linux

Compatibility with all VC (Video Conferencing) platforms is a significant advantage of any PTZ camera, as it ensures that the camera can be used with a wide range of video conferencing software, regardless of the user's preference or the software's features. With compatibility with all VC platforms, users can choose their preferred video conferencing software without worrying about whether the camera is compatible with it. This enhances the camera's flexibility and versatility, making it easier for users to switch between different video conferencing software or platforms as needed.

Moreover, compatibility with all VC platforms ensures that the camera can integrate seamlessly with other conferencing equipment, such as microphones, speakers, or displays, without any compatibility issues or challenges. Overall, compatibility with all VC platforms is a significant advantage of any PTZ camera, as it enhances its flexibility, versatility, and usability, making it a valuable investment for a variety of applications, including online meetings, webinars, remote learning, and more.

Key Feature Summary:

Prointek PTK-7080

- ✓ **4K Ultra HD:** 1/2.8 inch high quality 4K SONY CMOS sensor; 8.50 megapixel, resolution is up to 4K (3840x2160) at 30 FPS.
- ✓ **Optical Zoom:** 12X optical zoom with 70°viewing angle.
- ✓ **Advanced Auto Focus Technology:** Advanced auto focus technology allows the camera to move fast, accurately, and stably.
- ✓ **Low Noise and High SNR:** Low noise CMOS provides the high SNR. The use of leading 2D 3D noise reduction technology further reduce the noise while not comprising the clarity of image.
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- ✓ **Multiple Presets:** It supports for 255 presets (10 presets called via remote control)
- ✓ **IR & Wireless Remote Control:** IR and Wireless Remote Control are available for options.
- ✓ **AI Human Detection:** Boasting high speed processor and advanced image processing and analytic algorithm, the camera supports for real-time tracking and zone-tracking.
- ✓ **Wide Application:** Applied in remote teaching, conference system, online training, and tele-medicine.



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