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FEELWORLD 4K10X-OF-US

FEELWORLD 4K10X PTZ Camera User Manual

Model: 4K10X-OF-US

Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your FEELWORLD 4K10X PTZ Camera. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The FEELWORLD 4K10X PTZ Camera is designed for high-quality video capture in various professional settings, including video conferencing, live streaming, online education, and worship services. It features 4K resolution, 10X optical zoom, AI tracking, and multiple connectivity options.



Image: Front view of the FEELWORLD 4K10X PTZ Camera, showcasing its sleek design and lens.

Package Contents

Verify that all items are present in the package before proceeding with installation.

- 1 × PTZ Camera (FEELWORLD 4K10X)
- 1 × Power Adapter
- 1 × Remote Control
- 1 × USB3.0 Cable
- 1 × RS232 Serial Cable

- 1 × Wall Mount Bracket
- 1 × Quick Start Guide (This manual)

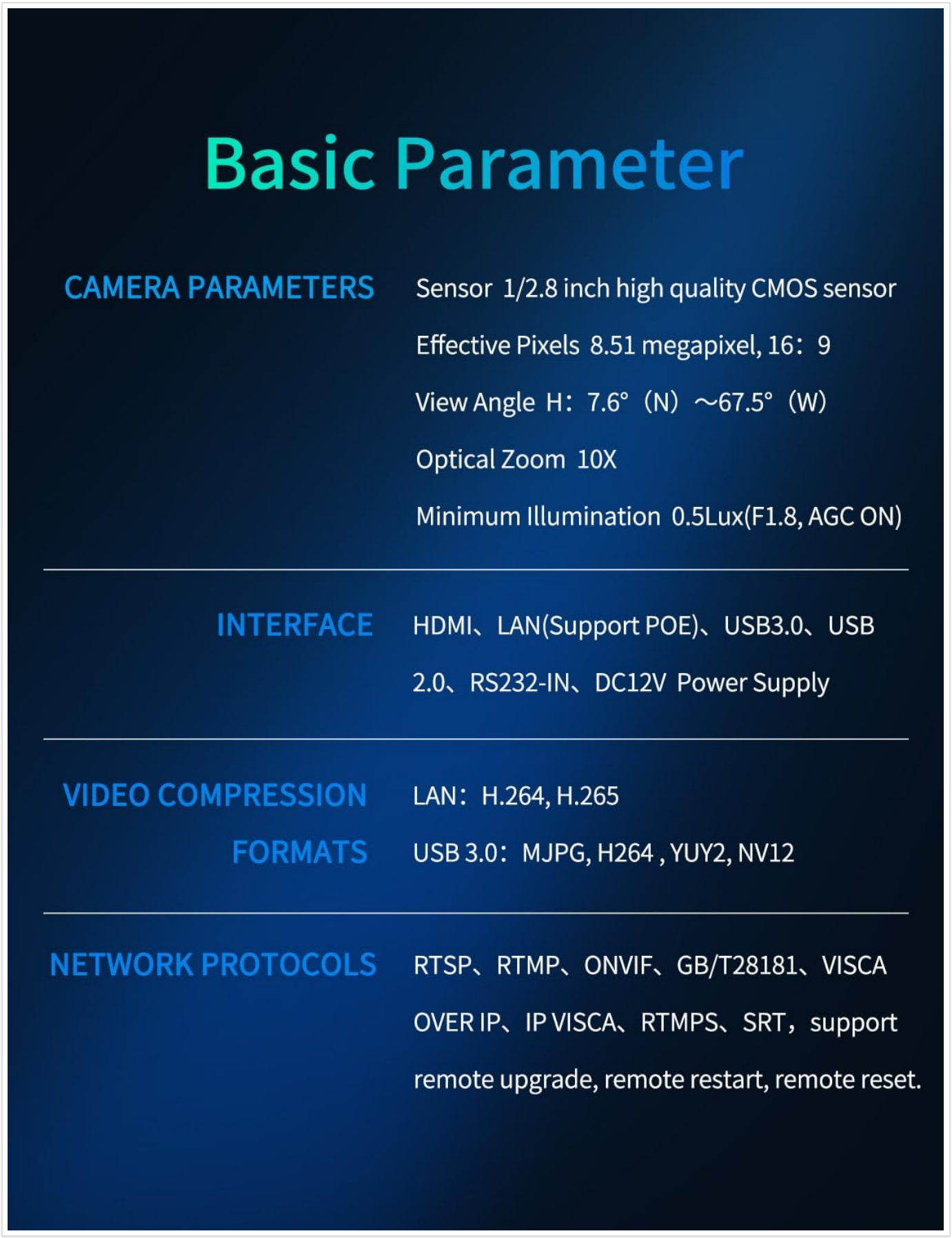


Image: Illustration of all items included in the FEELWORLD 4K10X PTZ Camera package, including the camera, remote, power adapter, cables, and mounting bracket.

Setup

1. Installation Options

The FEELWORLD 4K10X PTZ Camera offers flexible installation methods to suit various environments:

- **Wall Mount:** Use the included wall mount bracket for secure wall installation.
- **Tripod Placement:** Mount the camera on a standard tripod for portable or temporary setups.
- **Ceiling Mount:** The camera can also be inverted and mounted to the ceiling (additional bracket may be required, check product specifications for compatibility).



Image: Depicts the FEELWORLD 4K10X PTZ Camera installed in various configurations: wall-mounted, tripod-mounted, and ceiling-mounted, demonstrating its versatility.

2. Connectivity

The camera supports multiple interfaces for video output and control:

- **HDMI Output:** Connect to displays, video switchers, or capture cards.

- **LAN (Ethernet) Port:** Supports Power over Ethernet (PoE) for simplified power and data transmission via a single cable. Also used for IP streaming and control.
- **USB3.0 Output:** For direct connection to a computer for video capture.
- **USB2.0 Input:** For connecting peripherals.
- **RS232 Input:** For connecting to a PTZ controller for precise camera movement control.
- **DC 12V Power Input:** For power supply when PoE is not used.



Image: A diagram illustrating the various connection ports on the rear of the FEELWORLD 4K10X PTZ Camera, including RS232, USB3.0, USB2.0, HDMI, LAN (PoE), and DC 12V, with examples of connected devices like PCs, video switchers, and network switches.

3. Powering On

Connect the power adapter to the DC 12V input or connect an Ethernet cable to the LAN port if using PoE. The camera will power on automatically.

Operating Instructions

1. Control Methods

The FEELWORLD 4K10X can be controlled via several methods:

- **IR Remote Controller:** Included with the camera for basic pan, tilt, zoom, focus, and preset control.
- **RS232 Serial Control:** Connect to a dedicated PTZ keyboard controller (e.g., FEELWORLD KBC20) for advanced control.
- **IP Ethernet Control:** Control the camera via an IP joystick or web browser interface over the network.



Image: A diagram illustrating the various control methods for the FEELWORLD 4K10X PTZ Camera, including IR remote, RS-232 serial control with a keyboard controller, IP Ethernet control via joystick or web browser, and HDMI output to a video switcher.

2. Remote Control Functions

The IR remote controller allows for quick adjustments:

- **Camera Select:** Control up to 4 cameras with one remote.

- **Position Presets:** Set and recall up to 10 preset positions (0-9).
- **Zoom/Focus:** Adjust 10X optical zoom and focus (auto/manual).
- **Pan/Tilt:** Control pan (250°) and tilt (60°) movements.
- **Menu:** Access camera settings for image parameters.
- **AI Function Shortcut Keys:** Toggle AI tracking ON/OFF, change tracking mode, and select tracking target.



Image: Detailed layout of the FEELWORLD 4K10X PTZ Camera's IR remote control, highlighting buttons for camera selection, position

presets, zoom/focus, pan/tilt, menu access, and AI function shortcuts.

3. AI Tracking and Auto Focus

The camera features intelligent AI tracking for real-time and zone tracking, keeping subjects centered. Auto focus ensures sharp images.

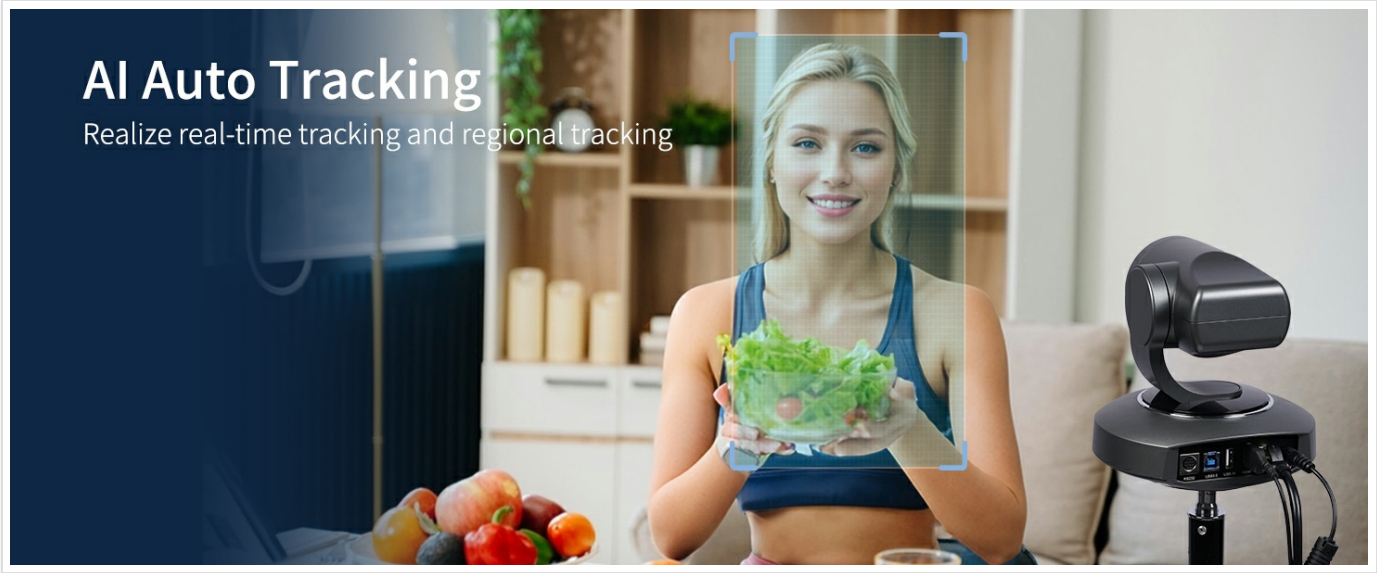


Image: A visual representation of the AI Auto Tracking feature, showing a person being tracked within the camera's frame.

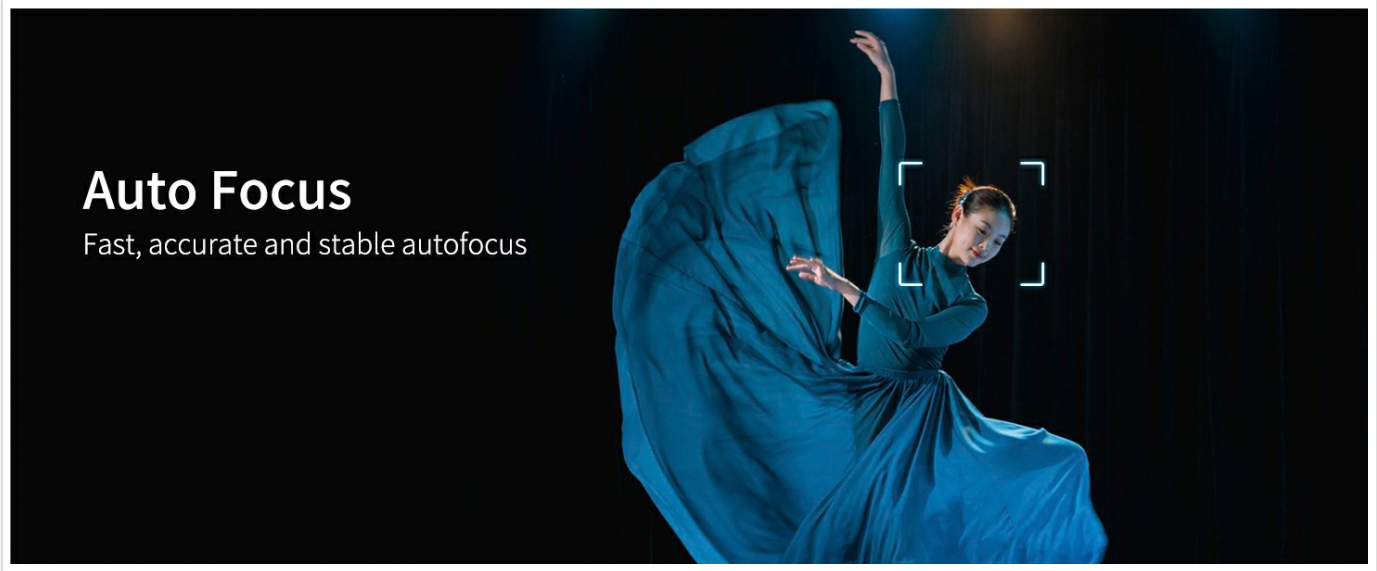


Image: A visual representation of the Auto Focus feature, showing a dancer in sharp focus with a blurred background, indicating fast and accurate focusing.

4. Preset Positions

Store frequently used camera positions for quick recall. Up to 10 presets via IR remote, and up to 255 via network or keyboard controller.



Image: Illustrates the concept of preset positions, showing a meeting room with different camera angles saved as presets, and icons for IR remote and network control.

5. Live Streaming Setup (Example)

The camera can be integrated into a multi-camera live streaming solution:

1. Connect the camera to a network switch via Ethernet (PoE supported).
2. Connect the network switch to a PC.
3. Use streaming software (e.g., OBS, vMix) to receive RTSP/RTMP streams from the camera.
4. Stream to platforms like YouTube, Facebook, etc.

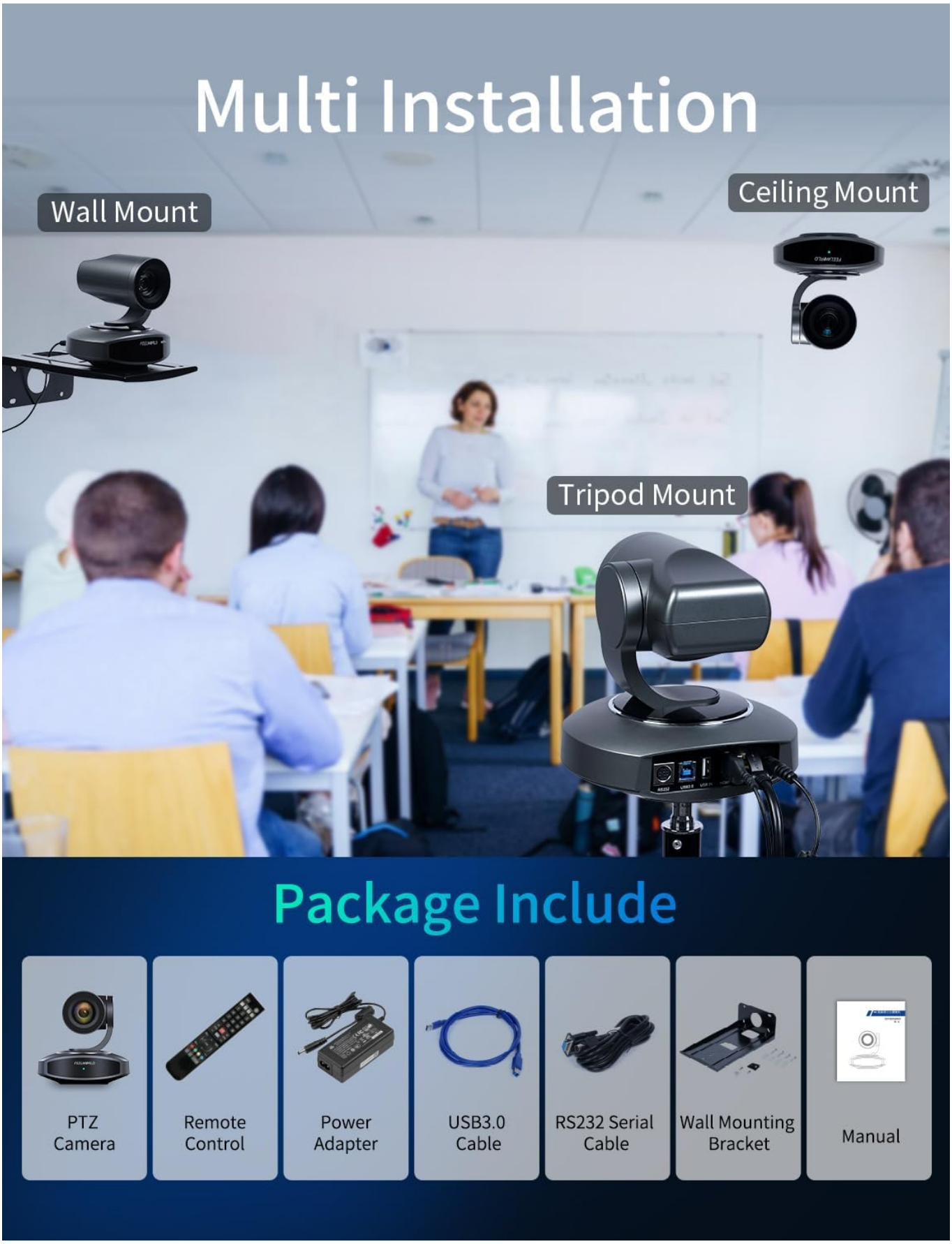


Image: A diagram showing a multi-camera live streaming setup using FEELWORLD 4K10X cameras, a network switch, and a PC running streaming software, with output to various platforms.

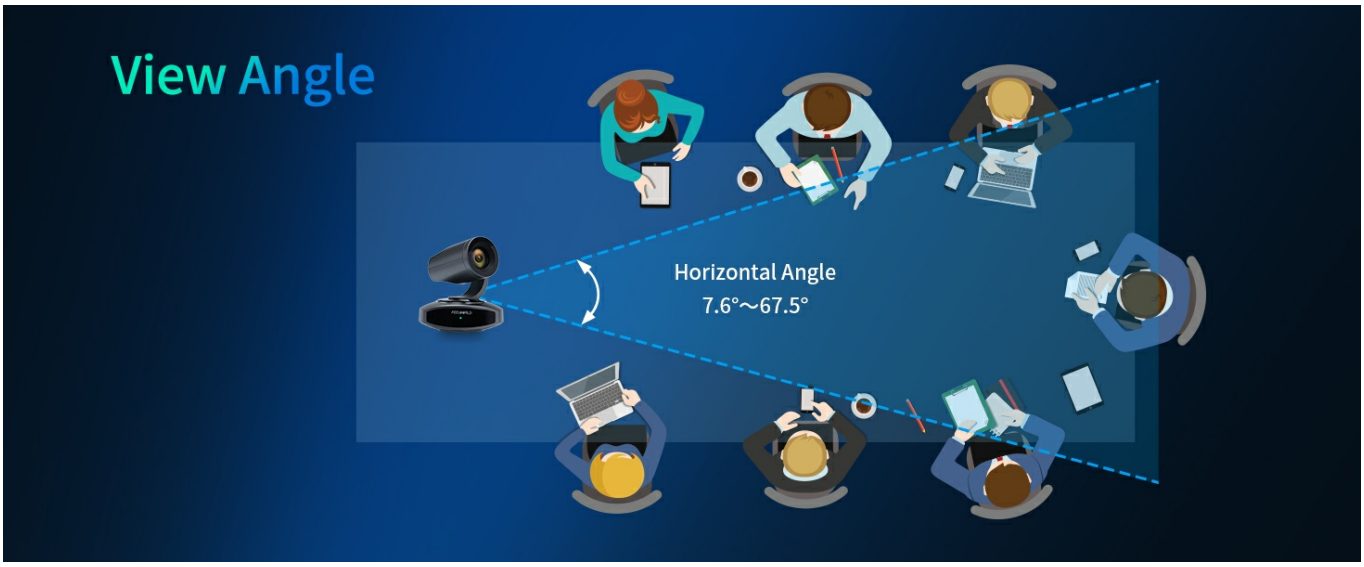


Image: A three-step visual guide demonstrating the plug-and-play setup for the FEELWORLD 4K10X, showing connection to LAN, inputting RTSP/RTMP code into software, and live streaming to platforms like OBS, vMix, YouTube, and Facebook.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your camera.

- **Cleaning:** Use a soft, dry cloth to clean the camera body. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** When not in use for extended periods, store the camera in a dry, dust-free environment, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the FEELWORLD official website for firmware updates to ensure the camera has the latest features and performance enhancements.
- **Cable Management:** Ensure all cables are neatly organized and not under strain to prevent damage to ports or cables.

Troubleshooting

This section addresses common issues you might encounter. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
No Power	Power adapter not connected or faulty; PoE not active.	Check power adapter connection and outlet. Verify PoE switch is active and providing power.
No Video Output	Incorrect cable connection; wrong input selected on display; camera not recognized by PC.	Ensure HDMI/USB/LAN cables are securely connected. Select correct input source on display. Reinstall USB drivers if necessary.
Image is Blurry	Auto focus issue; dirty lens; incorrect manual focus.	Ensure auto focus is enabled or manually adjust focus. Clean the camera lens.

Problem	Possible Cause	Solution
Remote Control Not Working	Low batteries; IR sensor blocked; incorrect camera selected.	Replace batteries. Ensure no obstructions between remote and camera. Select the correct camera ID on the remote.
AI Tracking Malfunction	Poor lighting; subject too far/close; complex background.	Ensure adequate and even lighting. Position subject within optimal range. Simplify background if possible.

SPECIFICATIONS

Detailed technical specifications for the FEELWORLD 4K10X PTZ Camera.

Feature	Detail
Model Number	4K10X-OF-US
Sensor	1/2.8 inch 8.29 megapixel CMOS sensor
Video Resolution	4K@30fps (Ultra HD)
Optical Zoom	10X
View Angle (Horizontal)	7.6° (N) ~ 67.5° (W)
Pan/Tilt Range	Pan: 250°, Tilt: 60°
Minimum Illumination	0.5Lux (F1.8, AGC ON)
Noise Reduction	Advanced 2D/3D noise reduction
Interfaces	HDMI, LAN (PoE support), USB3.0, USB2.0, RS232-IN, DC12V Power Supply
Video Compression Formats	LAN: H.264, H.265; USB 3.0: MJPG, H264, YUY2, NV12
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181, VISCA OVER IP, IP VISCA, RTMPS, SRT
Preset Positions	10 (IR remote), 255 (network/keyboard controller)
AI Features	AI Tracking (real-time, zone tracking), Auto Focus
Item Weight	2.2 pounds (approx. 1 kg)
Dimensions	12.99 x 9.06 x 5.12 inches (Package)
Country of Origin	China



Image: A summary graphic detailing the basic parameters of the FEELWORLD 4K10X PTZ Camera, including camera parameters (sensor, effective pixels, view angle, optical zoom, minimum illumination), interfaces, video compression formats, and network protocols.

Warranty and Support

For warranty information and technical support, please refer to the official FEELWORLD website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

FEELWORLD Official Store: Visit FEELWORLD Store on Amazon

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