WyreStorm

Specification Sheet

Front Panel

4K Optical Zoom Lens

Mic   Mic   Mic   Mic

IR Window   Lens   Status LED

Rear Panel

LAN   HDMI Out   Reset   Kensington Security Slot

DC 12V Power Input   USB 2.0 Type-A Port   USB 3.0 Type-C Port
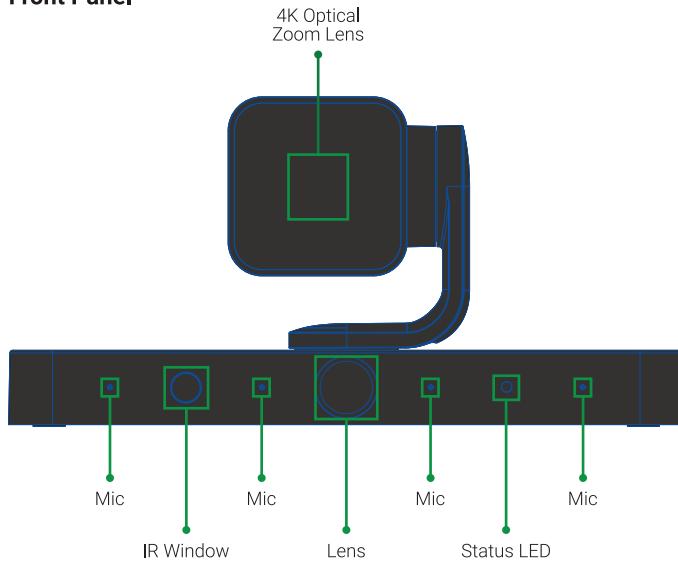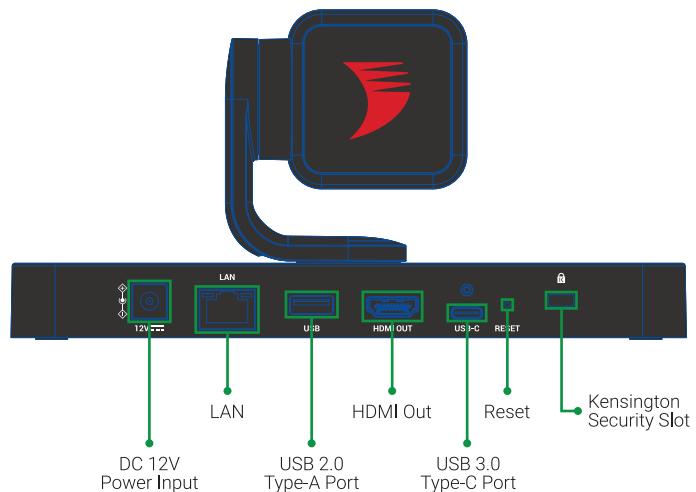
WyreStorm - Powerful. Reliable. Simple.

Introduction

The CAM-420-PTZ is a 4K dual-lens AI tracking camera design for medium room and huddle room, providing a 3x optical zoom PTZ camera with DFOV 110° and a second panoramic lens with DFOV 120. It offers built-in 4 mics to detect human voice and audio tracking function. AI technology includes Auto Framing, Speaker Tracking, Presenter Tracking, and Individuals Gallery to enhance the meeting experience. Additionally, this camera also supports multiple installations options whether on a conference table, top of TV, mounted on a wall, or placed on a tripod make it instantly ready for any meeting.

Key Features

- Dual-lens design with 4K PTZ and 1080p panoramic cameras for full-room coverage
- Advanced AI features including auto framing, speaker tracking, presenter tracking, and Individuals Gallery
- 3x optical zoom with 110° PTZ and 120° panoramic field of view
- Built-in 4-mic array for voice detection and AI audio tracking (not for conferencing audio)
- Plug & play via USB-C, HDMI and NDI output included, compatible with Windows, macOS, Zoom, Teams, and more

In the Box

1x CAM-420-PTZ Camera
1x 12V/3.0A Power Supply (US/UK/EU/AU)
1x USB-C to USB 3.0 Type-A cable (1.8m)
1x Mounting Kits (installation on table or wall)
1x Quick Start Guide
1x Privacy Cover
1 x Remote Controller

Specifications

Video	
Outputs	1x USB-C Output 1x HDMI Output 1x NDI Output
Video Resolution (Max)	4K@30fps
Output Video Encoding	MJPEG (default) | H.265 | H.264 | NV12
Camera and Sensor	
Sensor	AI lens: 8M effective pixels Panoramic lens: 2M effective pixels
Lens	AI lens: 8MP | 3x optical zoom | DFOV: 110° Panoramic lens: 2MP | DFOV: 120°
Rotation	Horizontal: ±75°| Vertical: ±45°
Smart AI	Auto Framing (default as on) Speaker Tracking Presenter Tracking Individuals Gallery
Auto Exposure	Yes
Auto White Balance	Yes
Auto Digital Noise Reduction	Yes
Audio	
Microphone	4x MEMS mic array Pickup Range: 5m **Note:** Mic for detecting human voices and offers audio tracking, can't use as video conference audio source.
Communication and Control	
USB	1x USB-C: USB 3.1 Gen | Max Bandwidth: 5.0 Gbps | backward compatible with USB 2.0 1x USB-A: USB 2.0 | Max Bandwidth: 480Mbps
USB Protocols	UVC 1.1
Ethernet	1x LAN: 8-pin RJ-45 Female | Web UI | API
Control Methods	Web UI | RCU | Control APP
Power	
Power Supply	12V DC 3A
Environmental	
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
Dimensions and Weight	
Length x Width x Height	200mm/7.87in x 69mm/2.72in x 97mm/3.82in
Regulatory	
Safety and Emission	CE | FCC | RoHS | EAC | UKCA

Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.