


1080p HD PTZ Conference Camera with USB 3.0 & Network Output

CAM-200-PTZ

WyreStorm®

Quickstart Guide

 WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.



IMPORTANT! Installation Requirements

- Visit the product page to download the latest firmware, document version, additional documentation, and configuration tools.
- Read through the [Wiring and Connections](#) section for important wiring guidelines before creating or choosing premade cables.

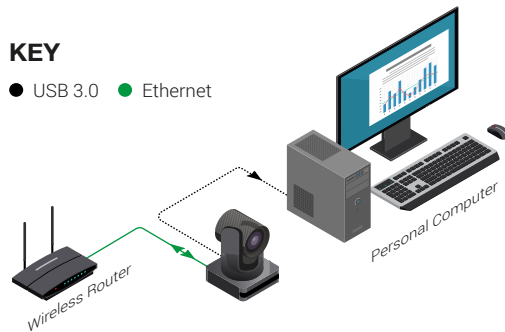
In the Box

- 1x CAM-200-PTZ Camera
- 1x 12V DC 1.5A PSU (US/UK/EU/AU)
- 1x IR remote
- 1x Wall mount
- 1x 2m 8 pin Mini Din RS-232 Cable
- 1x 1.5m USB 3.0 Type B Host Cable
- 1x QuickStart Guide

Basic Wiring Diagram

KEY

- USB 3.0
- Ethernet



Wiring and Connections

WyreStorm recommends that all wiring for the installation is run and terminated prior to making connections to the switcher. Read through this section in it's entirety before running or terminating the wires to ensure proper operation and to avoid damaging equipment.

IMPORTANT! Wiring Guidelines

- The use of patch panels, wall plates, cable extenders, kinks in cables, and electrical or environmental interference will have an adverse effect on signal transmission which may limit performance. Steps should be taken to minimize or remove these factors completely during installation for best results.
- WyreStorm recommends the use of shielded category cable to minimize signal noise and interference.
- WyreStorm recommends using pre-terminated cables due to the complexity of these connector types. Using pre-terminated cables will ensure that these connections are accurate and will not interfere with the performance of the product.

Cat6 Cable Performance Guide

0m	10m	20m	30m	40m	50m	60m	70m	80m	90m	100m
0ft	32ft	65ft	98ft	131ft	164ft	197ft	230ft	262ft	295ft	328ft

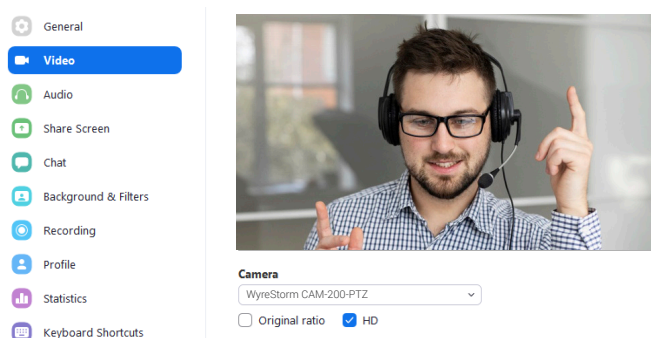
 **HD** Transmission

WyreStorm recommends the use of shielded cable to minimize signal noise and interference

Software Device Setup

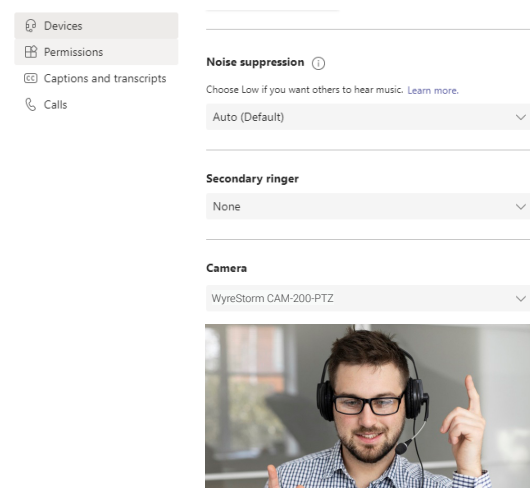
Connecting To Zoom

To connect the WyreStorm CAM-200-PTZ to your Zoom software, first navigate to your settings pane which can be found by clicking the gear icon in the top right hand corner, then click on the Video tab. Here you can change the camera device by using the dropdown menus. Select WyreStorm CAM-200-PTZ under the applicable options.



Connecting To Microsoft Teams

To connect the WyreStorm CAM-200-PTZ to your Microsoft Teams software, first navigate to your settings pane which can be found by clicking on your display image in the top right hand corner, then click on the devices tab. Here you can change the camera device by using the dropdown menus. Select WyreStorm CAM-200-PTZ under the applicable options.



Setup and Configuration

Accessing the Web UI

This camera is set to a default static IP Address (192.168.11.43). In order to communicate with it initially the PC must be set to a 192.168.11.xxx address with a subnet of 255.255.0.0. This can be changed back once a static IP is set within a different range.

1. Connect the camera to the same network as a PC.
2. Open a web browser and enter the IP Address of the camera.

Username: admin | Password: admin

Default IP Address	192.168.11.43	Default HTTP Port	80	VISCA Control Port	5678
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Using Control Software

The CAM-200-PTZ can be controlled via the PTZ Camera Control software included in the WyreStorm Management Suite. Connection can be made via LAN or RS-232 to test or troubleshoot camera functions.

The screenshot shows the PTZ Manual control interface. It features a 'Serial' section with fields for Port, Baud rate (9600), Data Bits (8), Parity (None), and Stop bits (1), and a 'Start' button. The 'Net' section includes fields for Protocol (TCP selected), IP Address (192.168.11.43), and Port (5678), and a 'Connect' button. The main control area is titled 'PTZ Manual' and has a 'Mode' selector (Serial/Net) with 'Net' selected. Below this is a 'Control' section with directional buttons (Up, Down, Left, Right, Home), speed sliders for Pan (15), Tilt (15), Zoom (3), and Focus (3), and buttons for Zoom in/out and Focus in/out. A 'Preset' section has 'Set' and 'Call' buttons and a grid of 9 preset buttons (0-9). At the bottom is a 'Receive message' area with a 'Clear' button.

Troubleshooting

No or Poor Quality Picture (snow or noisy image)

- Verify that WyreStorm CAM-200-PTZ has been selected in your software's device settings
- Check Web UI settings for Video resolution and Frame rate to ensure compatibility with your software
- Verify that the device is not in standby
- Verify that power is being supplied to the device
- Verify that all connections are not loose and are functioning properly
- Verify that the RJ-45 cable is properly terminated following EIA568B standard

Troubleshooting Tips:

- WyreStorm recommends using a cable tester or connecting the cable to other devices to verify functionality.

Warranty Information

WyreStorm Technologies LLC warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the Product Warranty page on wyrestorm.com for more details on our limited product warranty.



Specifications

Video			
Outputs	1x USB 3.0 Type B female 1x 8-pin RJ-45 Female		
Video Resolutions (Max)	Video Resolution	USB 3.0	Cat5e or Higher
	1920x1080p @30Hz	2m (passive cable) 15m (with CAB-UAOC-15)	100m/328ft
Output Video Encoding	USB 3.0		Network
	MJPEG/YUY2 UVC 1.5		H.265/MJPEG CBR or VBR up to 2Mbps
Camera and Sensor			
Sensor	1/2.7inch, 2.07M CMOS sensor		
Lens	12x, f=3.5mm ~ 42.3mm, F1.8 ~ F2.8		
Zoom	Optical: 12x Digital: 16x		
Shutter	1/30s ~ 1/10000s		
White Balance	Auto, Indoor, Outdoor, One push, Manual, VAR		
Minimum Illumination	0.5Lux @ (1.8, AGC ON)		
Backlight Compensation	Supported		
DNR (Digital Noise Reduction)	2D & 3D DNR Signal Noise Ratio: ≥55dB		
Viewing Angle	Horizontal: 72.5° Vertical: 44.8°		
Rotation	Horizontal: ±170° Vertical: 44.8°		
Pan Tilt Speed	Pan: 1.7°~100°/s Tilt: 1.7°~69.9°/s		
Image Flip	Horizontal and vertical supported		
Communication and Control			
IR	Built-in IR receiver		
RS-232	1x 8-pin Mini Din (max length 30m)		
Ethernet	1x 8-pin RJ-45 Female		
Power			
Power Supply	12V DC 1.5A		
Power Consumption	18w		
Environmental			
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C), 10% ~ 90%, non-condensing		
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C), 10% ~ 90%, non-condensing		
Maximum BTU	61 BTU/hr		
Dimensions and Weight			
Length x Width x Height	144mm/5.66in x 144mm/5.66in x 168mm/6.61in		
Weight	1.17kg/2.57lbs		
Regulatory			
Safety and Emission	CE FCC RoHS RCM EAC		

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