WyreStorm Essentials 1080p Plug-and-Play Video Conference Kit with PTZ Camera, Speaker and Microphone

EXP-VC-KIT

Quickstart Guide

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

IMPORTANT! Installation Requirements

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

Communication Settings

The EXP-VC-KIT Camera contains a web UI that can be accessed by connecting to a network and entering the IP address. We recommend that the IP address is changed from default after accessing the web UI for the first time.

The camera also supports the standardized VISCA control protocol for issuing commands via a 3rd-party control system. See the full EXP-VC-KIT API document for additional control details.

The speakerphone contains 3 custom preset buttons that are used to program PTZ settings to quickly recall. To save a custom preset simply adjust the camera manually to the desired position and hold any of the 3 preset buttons for a minimum of 5 seconds.

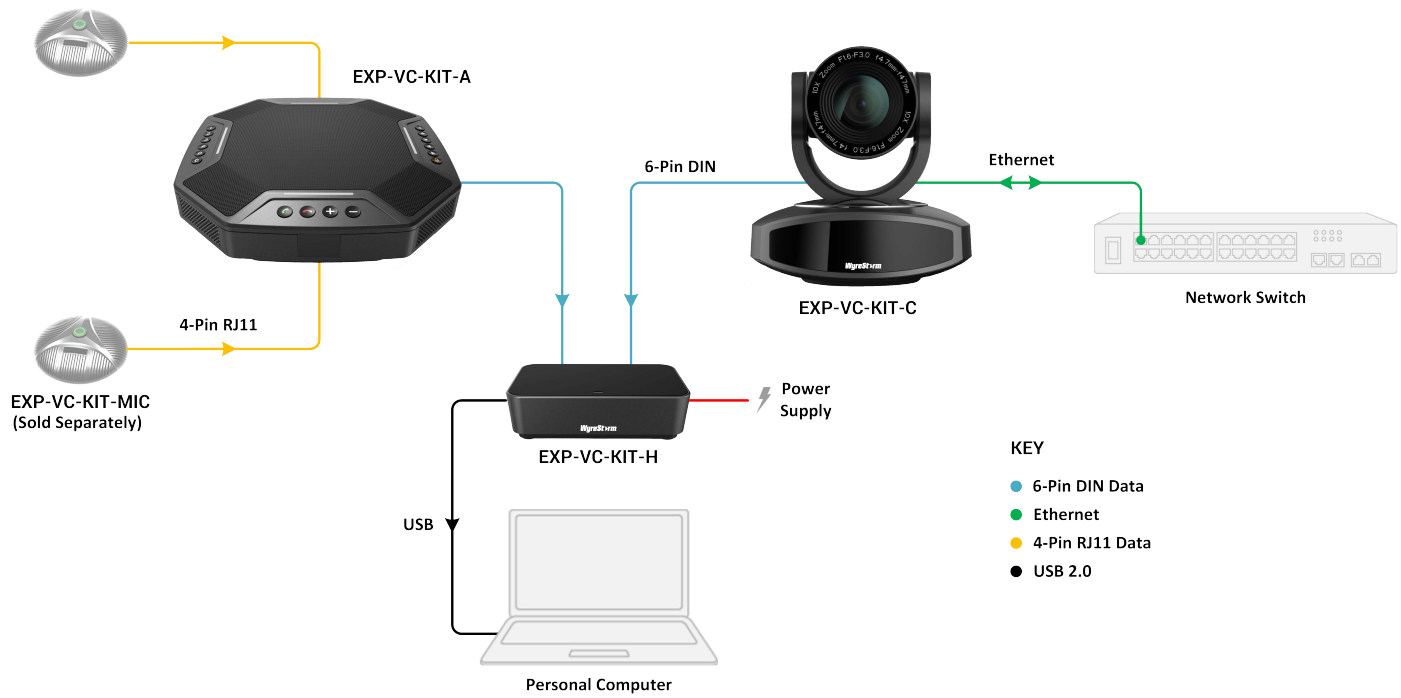
In the Box

1x EXP-VC-KIT-C 1080p Camera
1x EXP-VC-KIT-H Hub
1x EXP-VC-KIT-A Speakerphone
2x 5m 6-Pin DIN Data Cables
1x 12v DC 1.5A Power Supply
1x IR Remote
1x 3m USB 2.0 Cable
1x Quickstart Guide (This Document)

IP Settings

Default IP Address	192.168.11.143
Web UI Port	80
VISCA Port	1259

Basic Wiring Diagram



EXP-VC-KIT-A

EXP-VC-KIT-C

Troubleshooting

No Hub Connection to PC

- Verify that the Hub has a mains connection and that the power switch is turned on
- Avoid using a USB 3.0 connection on your PC. If possible, move USB connection to a USB 2.0 port.

Answer/End Call Buttons Not Working

- The answer/end call buttons are designed to work with a Bluetooth connection from a mobile device. Conference software is not compatible with these buttons due to varying commands between platform.

Camera Not Streaming Video on the Network

- Ensure the camera and the decoding software are on the same network.
- If using RTP Multicast, make sure the network switch being used is configured to handle Multicast traffic properly.
- Double check the configuration settings in the camera's web UI to make sure the protocol being used has been setup properly.

Specifications

EXP-VC-KIT-C	
Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	2.07M, 16:9
Lens	5x optical zoom, 10x digital zoom, f=3.1~15.5mm
Viewing Angle	83.7 (wide), 20.9 (tele)
Aperature	F1.8 - F2.8
Illumination	0.5 Lux (F1.8, AGC ON)
Video Resolutions (Max)	640x480 ~ 1920x1080 (5,10,15,20,25,30 FPS)
Connections	1x 6-Pin DIN (for connection to Hub) | 1x 8-Pin RJ45 (for network streaming)
Output Encoding	Network: H.264 | Protocol: RTP Multicast, RTSP, RTMP, HTTP
White Balance	Auto | Manual - 3000K, 3500K, 4000K, 4500K, 5000K, 5500K, 6000K, 6500K, 7000K
SNR	>55dB
Rotation Angle	Pan: -125 degrees ~ +125 degrees, Tilt: -30 degrees ~ +30 degrees
Rotation Speed	Pan: 0.1 ~ 65 degree/sec, Tilt: 0.1 ~ 35 degree/sec
Dimensions	151.64mm x 131.25mm x 154.5 mm (LxWxH)
Weight	0.83Kg | 1.84lbs
EXP-VC-KIT-A	
Microphone	Acoustic Echo Cancellation (AEC) >65dB Echo length cancellation: >400ms Bidirectional noise compression (NC): <25dB Intelligent Directional Technology Automatic gain control Frequency Response: 100Hz - 22KHz Sound pick-up diameter: 6 meters | 10 meters with EXP-VC-KIT-MIC (Sold Separately)
Speaker	Frequency response: 100Hz - 22KHz Max output: 95dB
Bluetooth	Bluetooth 4.0
Connections	1x 6-Pin DIN (for connection to Hub) | 2x 4-Pin RJ11 (for EXP-VC-KIT-MIC)
IR	Angle: 360 degrees | Distance: 10m
Dimensions	200mm x 200mm x 55.9mm (LxWxH)
Weight	1.10Kg | 2.43lbs
EXP-VC-KIT-H	
Connections	2x 6-Pin DIN (for camera and speakerphone) | 1x Mini USB (for connection to PC)
OS Compatibility	Windows, MacOS, Linux
Power	12V 1.5A DC
Dimensions	100mm x 62mm x 27mm (LxWxH)
Regulatory	
Safety and Emission	CE | FCC | RoHS

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

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 two (2) years from the date of purchase. Refer to the Product Warranty page on wyrestorm.com for more details on our limited product warranty.