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› [WYRESTORM](#) /

› [WYRESTORM FOCUS 210 4K Webcam Instruction Manual](#)

WYRESTORM FOCUS-210

WYRESTORM FOCUS 210 4K Webcam Instruction Manual

MODEL: FOCUS-210

1. Overview

The WYRESTORM FOCUS 210 is a high-performance 4K webcam designed for professional video conferencing and streaming. It features advanced AI capabilities such as auto framing and presenter tracking, a 120° ultra-wide field of view, dual AI noise-canceling microphones, and 8X digital zoom. This manual provides essential information for setting up, operating, and maintaining your webcam to ensure optimal performance.

2. What's in the Box

- WYRESTORM FOCUS 210 4K Webcam
- USB-A to USB-C Cable (5ft)
- Privacy Cover

3. Setup

Follow these steps to set up your WYRESTORM FOCUS 210 webcam:

1. **Mounting the Webcam:** The webcam features an adjustable mount that can be securely clipped onto the top of your laptop or monitor. It also includes a 1/4-inch female receiver on the hinged clamp, allowing it to be mounted on a standard tripod.
2. **Connecting the Cable:** Connect the USB-C end of the provided cable to the USB-C port on the back of the webcam. Ensure the cable is fully inserted.
3. **Connecting to Computer:** Plug the USB-A end of the cable into an available USB port on your computer. For optimal performance, use a USB 3.0 port.
4. **Power Indicator:** A green LED light on the front of the webcam will illuminate when it is successfully

connected and in use.

5. **Privacy Cover:** Use the attached rubber privacy cover to protect the lens from dust and debris, and to ensure privacy when the webcam is not in use.

AI Noise-cancelling Microphones

Support a clear voice pick-up within a distance of 5m/16ft



Image: WyreStorm Focus 210 webcam mounted on top of a computer monitor.

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Video: Demonstrates the physical setup and connection of the WyreStorm Focus 210 webcam.

4. Features & Functions

4.1 4K Sharp Image

The FOCUS 210 webcam supports real 4K resolution at up to 30 frames per second (fps), delivering crystal-clear video for a high-quality visual experience during calls and recordings.



Image: Visual comparison highlighting the superior clarity of 4K resolution provided by the webcam.

4.2 AI Framing & Tracking

The webcam incorporates AI-powered auto framing, which detects attendees within its field of view (FoV) and automatically centers everyone in the frame. Additionally, presenter tracking intelligently detects and follows a moving presenter, ensuring they remain in focus during presentations.

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Video: Short demonstration of the webcam's auto-framing feature, automatically adjusting to keep subjects centered.

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Video: Brief clip showcasing the presenter tracking feature, where the camera follows a moving speaker.



Image: Auto-framing in action, keeping all participants visible and centered.

4.3 120° Ultra-wide Angle

The FOCUS 210 features a 120° ultra-wide field of view, ensuring that all individuals in a meeting room are clearly visible without crowding. This is ideal for larger group discussions or presentations.

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Video: Demonstrates the wide-angle lens capturing a broad view of a meeting room.



Image: Diagram showing the extensive coverage of the 120° wide-angle lens.

4.4 AI Noise-Canceling Microphones

Equipped with built-in dual AI noise-canceling microphones, the FOCUS 210 filters out ambient sounds such as wind noise and keyboard typing. It provides clear voice pickup within a distance of up to 5 meters (16 feet).

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Video: Illustrates the effectiveness of the dual AI noise-canceling microphones in filtering out background noise.

Image: Representation of the webcam's dual AI noise-canceling microphones ensuring clear audio.

4.5 High Refresh Rate

The webcam supports up to 90fps when recording at 720p resolution, providing smoother video capture for dynamic movements.



Image: Visual comparison demonstrating the benefit of a high refresh rate (90fps) for smoother video.

4.6 8X Digital Zoom

Utilize the 8X digital zoom to focus on specific details or individuals within the frame, enhancing clarity for remote viewers.

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Video: Shows the 8X digital zoom capability, allowing users to focus on specific areas of interest.



Image: Visual representation of the 8X digital zoom focusing on a subject.

4.7 App Control

Download the "WyreStorm FOCUS" app from the official website to access advanced settings and controls for your webcam, including AI tracking configuration and video adjustments.

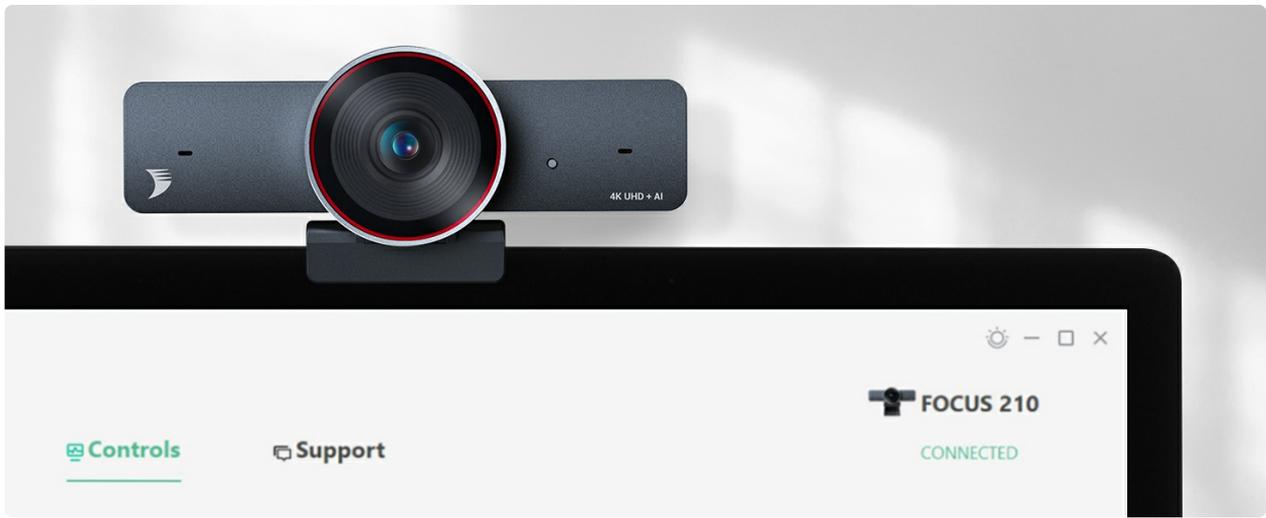


Image: Screenshot of the WyreStorm FOCUS app, illustrating available controls for the webcam.

4.8 Low Light Enhancement (WDR)

The webcam features Wide Dynamic Range (WDR) support, which helps capture precise details in both dimly and brightly lit areas, ensuring you look your best in various lighting conditions.

Look Your Best in any Light

Wide dynamic range (WDR) supports capturing precise details in both dimly and brightly lit areas

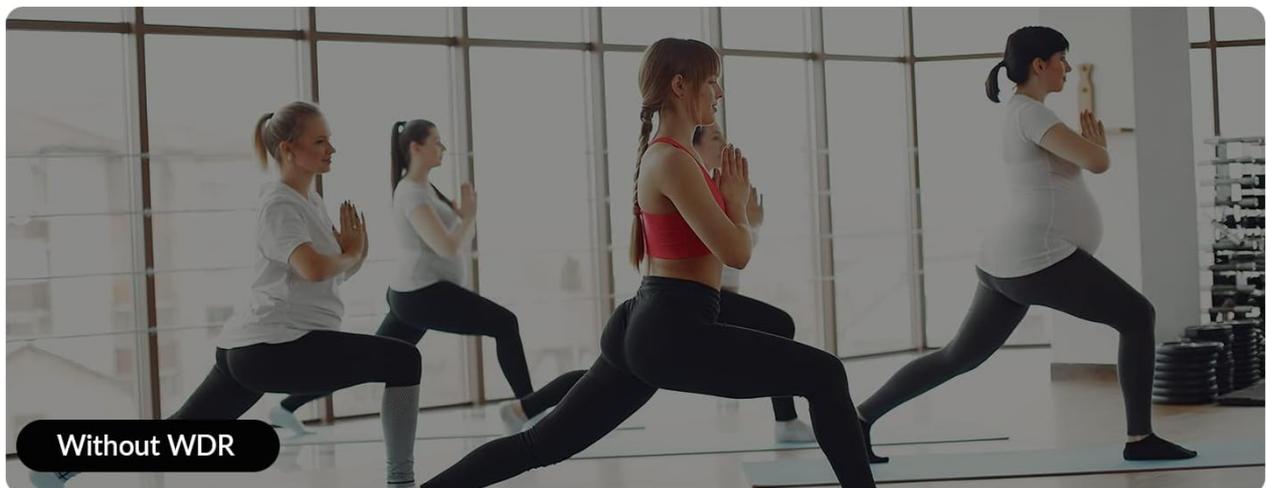


Image: Comparison showing improved image quality in varied lighting with WDR enabled.

5. Operating Instructions

The WYRESTORM FOCUS 210 is designed for plug-and-play operation with most video conferencing applications. Once connected, follow these general steps:

1. **Open Video Conferencing Software:** Launch your preferred application (e.g., Zoom, Microsoft Teams, Skype, BlueJeans, Cisco Webex, Google Meet, GoTo Meeting).
2. **Select Webcam and Microphone:** Navigate to the audio/video settings within your application. Select "WyreStorm FOCUS 210" as your camera and microphone input.
3. **Adjust Settings (Optional):** Use the WyreStorm FOCUS app (downloadable from the official website) to fine-tune video settings such as brightness, contrast, hue, saturation, and to configure AI tracking modes.
4. **Start Your Meeting:** You are now ready to begin your video conference with enhanced video and audio quality.

6. Maintenance

- **Cleaning:** Gently wipe the lens with a soft, lint-free cloth. Avoid using harsh chemicals or abrasive materials.
- **Storage:** When not in use, attach the privacy cover to protect the lens from dust and scratches. Store the webcam in a cool, dry place.
- **Cable Care:** Avoid bending or twisting the USB cable excessively to prevent damage.

7. Troubleshooting

- **Webcam Not Detected/Disconnecting:**
 - Ensure the USB-C cable is fully and securely plugged into both the webcam and your computer's USB port.
 - Try connecting to a different USB port on your computer.
 - Restart your computer.
- **Poor Video Quality:**
 - Check your lighting conditions. Ensure adequate front lighting for best results.
 - Verify that your video conferencing software is set to the highest available resolution for the webcam (e.g., 4K).
 - Use the WyreStorm FOCUS app to adjust brightness, contrast, and other image settings.
- **Audio Issues:**
 - Confirm that "WyreStorm FOCUS 210" is selected as the microphone input in your application's audio settings.
 - Ensure the microphone is not muted within the application or via the WyreStorm FOCUS app.
- **AI Tracking/Framing Not Working:**
 - Download and install the latest version of the WyreStorm FOCUS app from the official website.
 - Ensure the webcam's firmware is up to date via the app. If updating firmware on Windows, run the app as an administrator to avoid issues.
 - Check the settings within the WyreStorm FOCUS app to ensure AI tracking and auto framing are enabled and configured as desired.

8. Specifications

Feature	Specification
Brand	WYRESTORM
Model Number	FOCUS-210
Video Capture Resolution	4K
Maximum Frame Rate	30fps (4K), 60fps (1080p), 90fps (720p)
Field of View (FOV)	120°
Digital Zoom	8X
Microphones	Dual AI Noise-Canceling Mics
Connectivity Technology	USB
Special Features	AI Backlight Compensation, Auto Framing, Presenter Tracking
Dimensions	3 x 6 x 3 inches
Weight	8 ounces
Certifications	CE, FCC, Zoom Certified

9. Warranty & Support

WYRESTORM offers a 2-year warranty for the FOCUS 210 webcam. For any inquiries or technical assistance, 24/7 global service and support are available. Please visit the official WYRESTORM website for contact information and to download the latest version of the WyreStorm FOCUS app for video configuration and AI tracking features.

All WYRESTORM products, including the FOCUS 210, are FCC and CE-certified, ensuring adherence to quality and safety standards.