

# neat.bar

Generation 2



## The power of simple.



Neat Bar Generation 2 is a simple yet highly capable video device that delivers next-level audio and video quality to Zoom or Microsoft Teams meeting spaces. It's ideal for small to medium-sized meeting spaces, seamlessly blending in with any interior style, and pairs with our dynamic touch-screen Neat Pad to control your meetings.

neat.

## Exceptional video quality.

The wide angle and highly dynamic 50MP camera captures the entire meeting space and can zoom in on, frame, and follow multiple people at once. Lightning-fast video processing ensures everyone is seen in the same proportion, regardless of where they are in the camera angle, and supports dynamic shifting between group and focused participant views.

## Crystal-clear audio.

With a five-microphone end-fire array, four voice localization tracking mics, and advanced algorithms for voice enhancement, echo cancellation, deep noise suppression, and dereverberation, Neat Bar 2 both reduces unwanted noise and preserves spatial cues and intelligible speech. The result is a more natural flow of conversation. Neat Bar 2 also features a voice-optimized sound system. Dual speakers with opposing drivers cancel out vibration, maximises tonal range, and deliver minimal distortion so that team members hear each other's voices as naturally as possible.

## Valuable insights and control.

Neat Bar 2 provides real-time sensors that track the number of people in a room and lighting. It pairs with Neat Pad for room control. Neat Pad provides real-time sensors for air quality, temperature and humidity. All this data is accessible to IT administrators from Neat Pulse platform where Neat Bar 2 is managed and monitored in a centralized and secure way.

## Elegant, slim design.

Behind its streamlined appearance, Neat Bar 2 incorporates a well-crafted arrangement of microphones, speakers, a camera, sensors, power supply, and processing. It reliably handles all your meeting space needs without the complexity or clutter of running cables across the room. Neat Bar 2 can be placed on a table, above or below one or two monitors, or wall mounted, and slides right into first generation Neat Bar mounts. Neat Bar works with Neat Pad, our dynamic touch-screen meeting controller for simple setup and room control. Carefully designed technology components enable a slender profile that suitably fits thin screens. Neat Bar 2 drives up to two 4k screens.

## Intelligent and engaging meetings.

Neat Bar 2 uses machine learning algorithms that continuously learn and adapt to a room's acoustics and noises, light conditions, layout, and people movement for more intuitive, natural meeting experiences.

## Intuitive sharing and BYOD.

Neat Bar 2 provides simple wireless sharing and proximity join for Microsoft Teams or Zoom. With Neat Bar 2, you can also share with an HDMI cable or USB-C, especially useful for heavy media files and visitors without WiFi access. USB-C can serve as a single cable BYOD to connect to other video meeting services as well.

113° FOV

Wide angle camera

50 MP

Capture resolution

4x

Digital zoom



5 mic array



Opposing drivers



WiFi



Dual screen support

Sensors

Wake-up, light, orientation

For more information, visit [neat.no/bar-2](https://neat.no/bar-2)

## Neat Bar Generation 2

### General

- Camera LED
- System LED
- Orientation sensor (accelerometer)
- Ambient light sensor
- Tripod mount compatible (1/4-20 UNC threads)
- Dual screen support
- Security lock slot (Kensington compatible)
- Secure boot
- BYOD mode (USB passthrough)
- Native support for Zoom Rooms
- Native support for Microsoft Teams Rooms on Android
- Table stand, wall mount and snap-on mount

### Video

- 4x digital zoom
- Fixed lens, infinite focus
- Wide camera: 50 MP,  $f/2.8$  aperture, 113° horizontal FOV
- Distortion correction
- Noise reduction
- Chromatic aberration correction
- Automatic white balance and color correction
- Automatic people framing
- Hardware accelerated video encode and decode
- People video resolution: Up to 1080p / 30
- Content video resolution: 720p / 60, 1080p / 30

### Audio

- Speakerbox for maximal tonal range with minimal distortion
- Opposing full range drivers for vibration cancellation
- Ultrasonic support for wireless content sharing
- 5 microphones angled in an end-fire array
- 4 tracking mics
- Hardware accelerated audio processing
- Echo cancellation
- Noise suppression
- Automatic gain control
- Dereverberation

### Electrical and environmental requirements

- Ambient operating temperature: 32° to 95° F (0° to 35° C)
- Storage temperature: -4° to 140° F (-20° to 60° C)
- Relative humidity: 10% to 90%
- Built-in power supply 100-240V ~ 50/60Hz 0.5A
- Network standby: <8W (after 20 minutes)

### Neat Pad

Neat Bar pairs with Neat Pad for setup and room control  
For more information on Neat Pad, visit [neat.no/pad](https://neat.no/pad)