

# NEARITY V520D Dual-Lens PTZ Conference Camera

Premium Optics: Wide,  
Clear and Smart



20x Zoom



QHD Image



350° Pan  
Range



Speaker  
Tracking



Privacy  
Protection



Plug & Play

NEARITY V520D is a Dual-Lens design camera which is the perfect choice for classrooms, auditoriums, and large meeting rooms. Bringing you vivid collaboration experiences through its dual lens system, Equipped with a 20x zoom PTZ lens and a wide angle fixed lens, V520D makes your speakers and attendees shine. Powered by AI algorithms, V520D has powerful video functions, such like auto-focus, Speaker tracking, Picture in Picture, Zone-following, and Auto-framing, to bring you a natural conversation experience.

## Product Features

### Premium studio quality video

With an 10x optical zoom lens, 2x digital zoom, and high-definition image output, V520D captures every detail from front to back.

### Customizable imaging quality for challenging spaces

Powered by AI algorithms, V520D has powerful video functions, such like auto-focus, Speaker tracking, Picture in Picture, Zone-following, and Auto-framing, to bring you a natural conversation experience.

### Privacy is programmed in

When the software deactivates the V520D, the camera lens will automatically swivel to the rear ensuring privacy and enterprise security.

### Refresh your meeting space

Careful engineering and clean design enhance any office update, while ensuring peak functionality.

- 20x hybrid zoom
- 6-Element MEMS Microphone
- 5MP Sony CMOS Image Sensor
- Pan range:  $\pm 175^\circ$  (350° total)
- 10 Preset Positions
- Speaker Tracking/Zone Following/ Picture in Picture Mode/ Auto-framing
- Privacy Protection
- USB Plug & Play
- Multiple Connection Options

# NEARITY V520D Technical Specifications

## Optical Zoom Lens Features

- F 1.8~2.6 aperture
- Sensor: Sony 1/2.8 inches CMOS,
- Maximum pixels: 5MP
- 10x Optical+2x Digital Zoom
- FOV(D) wide 77° tele. lens 10°
- FOV(H) wide 69° tele. lens 9°
- FOV(V) wide 40° tele. lens 5°
- non-distortion lens

## Prime Lens Features

- F1.8
- Sensor: 1/2.9 inches CMOS,
- Maximum pixels: 2MP
- 2.26 mm fixed-focus
- FOV(D) 120°
- FOV(H) 110°
- FOV(V) 70°
- non-distortion lens

## Microphone Features

- 6-element MEMS microphone array
- -38dBV/Pa 94dB SPL@1kHz
- 63dBV/Pa 94dB SPL@1kHz,A-weighted
- 5m effective pickup distance

## Power and Connectivity

- USB 2.0 Type-B
- HDMI port
- RJ45
- RS232 IN RS232 OUT RS485
- SDI OUT
- 3.5mm line in/3.5mm line out
- Compatible operating systems: Windows/Mac/Linux

## Video Characteristics

- Anti-flickering supported
- Auto exposure supported
- Automatic white balance supported
- 3D noise-suppression
- 1080P output video image
- aspect ratio: 16:9
- YUV: max of 480P@30fps
- MJPEG: max of 1080P@30fps
- H264: max of 1080P@30fps

## PTZ

- Pan/tilt range: pan:  $\pm 175^\circ$  ; tilt:  $\pm 30^\circ$
- Pan speed:  $1.7^\circ \sim 100^\circ/s$
- Tilt speed:  $0.7^\circ \sim 28^\circ/s$
- H & V flip supported
- Preset accuracy:  $0.5^\circ$
- 10 preset positions
- Privacy protection supported

## Physical Characteristics

- Height: 166mm (6.5 inches) /Width: 153mm (6 inches) /Depth: 153mm (6 inches)
- Net weight: 1061g
- Gross weight: 1966g
- Color: Dark Gray
- Installation: Tripod bracket/TV bracket/Wall bracket
- External power supply: DC 12V/1.5A

## Remote Control

- IR remote control with forward sensitivity