

Remote Teaching: NavAI Hits the Bullseye

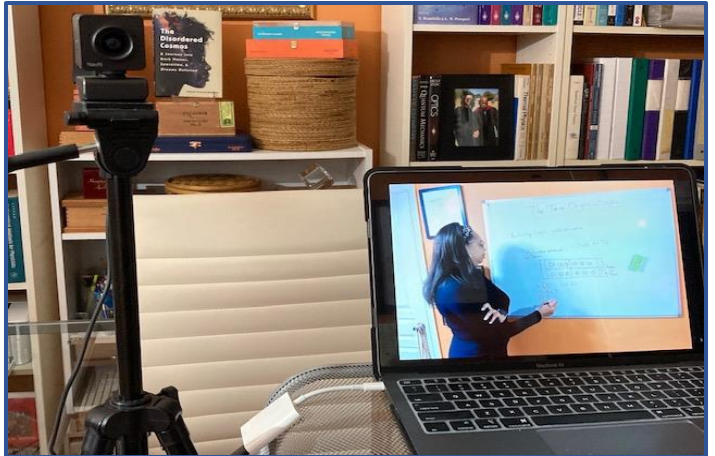
Artificial Intelligence (AI) automatically frames instructor without a camera operator



The Challenge: Online physics students attending class via smartphone were having trouble viewing lecture and whiteboard on the small screens.

The Solution: The NavAI camera's capability to track and zoom made both the instructor and content easier to view on mobile devices.

The Benefits: Students are more engaged as the learning experience is much improved; higher quality video recordings for viewing during and after class.



Dr. Trina L. Coleman teaching Introduction to Physical Science

Background: Virginia Union University, an HBCU in Richmond VA, offers physics students introductory and upper-level physics courses online. Instructors can be located anywhere, and a simple auto-framing system was needed to help with tracking movement between the white board and other teaching areas. Using a Zoom certified device (NavAI) within the meeting room removed all guess work related to quick setup and allowed for high-quality recordings in the event their work schedule interrupted the classroom session.

About NavAI: Designed for **teaching and training environments**, the NavAI is a 4K USB camera that **quickly auto-frames the presenter** so smoothly you would think it was using auto-tracking technology. The major difference is there are no moving parts! This greatly reduces cost, increases reliability, and provides a true plug-n-play experience out of the box. **It has a 120° FOV with dual internal microphones** accurate up to 4 meters and tri-pod screw base for installation flexibility.

The VDO360 Natural Vision™ auto-framing closely resembles the experience you would enjoy as if you were meeting in person. **This helps to reduce video conferencing fatigue and keeps the remote meeting participants engaged.** The NavAI provides amazing clarity and color, while using advanced programming and heuristic algorithms to constantly scan the user area. Once a change in participant position is detected, the NavAI will automatically adjust the video framing being delivered.

NavAI Website: <https://vdo360.com/camera/navai/>