

UNITE® 180 4K Panoramic Camera



UNITE 180 ePTZ professional camera provides a full 180-degree panoramic field-of-view with “real-time stitching” to achieve a variety of useful viewing modes for any application and environment.

- > Designed for professional-quality visual collaboration, conferencing, UC applications, distance learning, and more, the new UNITE 180 camera provides six viewing modes for room and participant close-ups.
 - > Real-time stitching creates a seamless 180-degree panoramic view of wide spaces by bringing the views of multiple lenses together as one complete image.
 - > Large classroom settings, training centers, or any wide conferencing area are all captured and presented with perfect clarity in any of the viewing mode options.
 - > A 4x zoom enhances the UNITE 180 feature set.
 - > The UNITE 180 is compatible with all popular cloud-based video collaboration applications including Microsoft Teams, Zoom, WebEx, Google Meet, and others.
- > Display modes include:
- Compose Mode presents a panoramic view along with optional close-ups of up to eight people using people tracking.
 - Manual Mode is a perfect option for focusing on a specific area of the meeting room.
 - Autoframing Mode automatically frames participants in the room.
 - Grid Mode uses people tracking to track each participant in a separate window showing up to four participants.
 - Speaker Mode detects the presenter which is a particularly useful feature in classrooms.
 - Presentation Mode features a content-sharing window on the main screen with a picture-in-picture floating window of the presenter.

APPLICATIONS

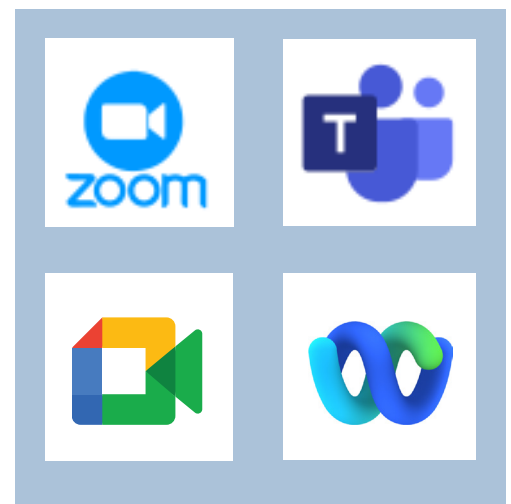
- PC-based Video Conferencing
- Web Conferencing
- Unified Communications

WORKSPACES

- Small Meeting Rooms
- Large Meeting Rooms
- Classrooms

Professional quality

Designed for professional-quality visual collaboration, conferencing, UC applications, distance learning, and more.



High-Quality Desktop Collaboration

The UNITE 180 is compatible with all popular cloud-based video collaboration applications including Microsoft Teams, Zoom, WebEx, Google Meet, and others.

Display Modes

PanoStudio camera software supports six display modes.



Compose Mode

- Supports People Tracking



Manual Mode

- Focus on an area of the meeting room



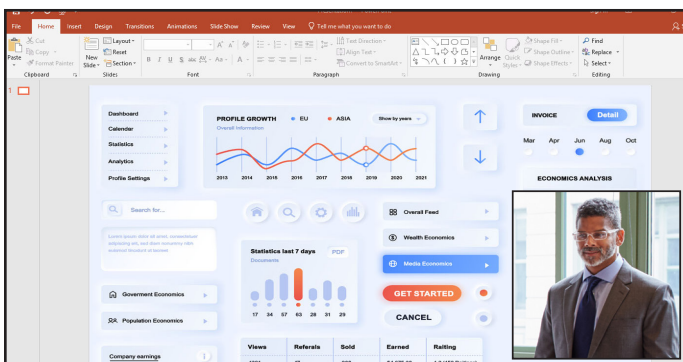
Autoframing Mode

- Digital Zoom and Pan to focus on the participants
- Auto-fit selected participants and auto detect best viewing angle
- People Tracking supported



Grid Mode

- Show each attendee in separate window
- People Tracking supported



Presentation Mode

- Share content with ability to manually select the window
- Presenter view at the bottom right hand side
- People Tracking supported

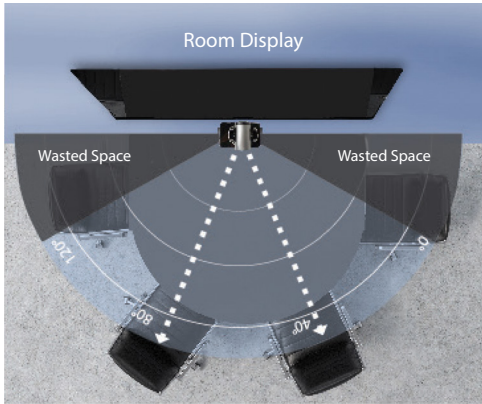


Speaker Mode

- Auto detect presenter using People Tracking

Panoramic Field of View

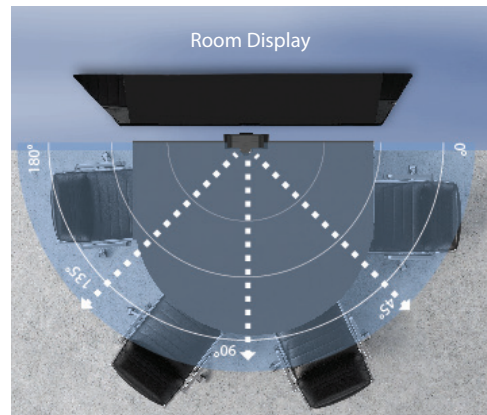
120° standard view with ePTZ camera



120 Degree



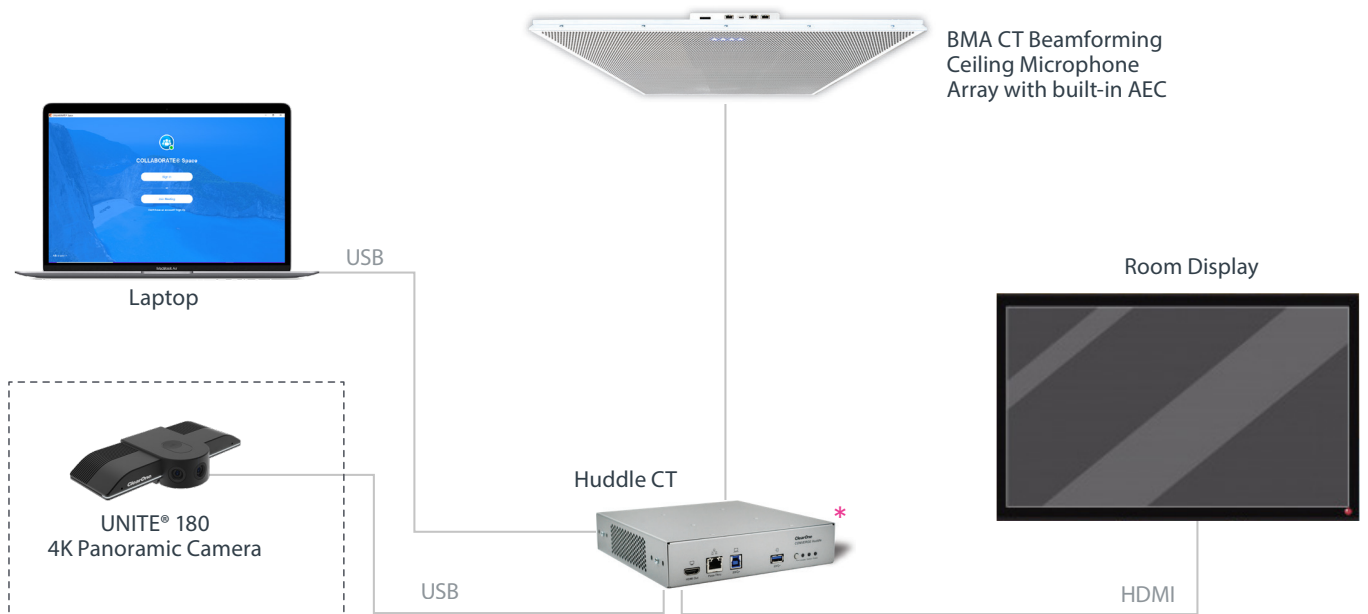
180° panoramic view with 4K UNITE 180



180 Degree



Connection Diagram



*Small enough to easily mount behind the room display

UNITE® 180 4K Panoramic Camera

910-2100-180 UNITE® 180 4K Camera

VIDEO

- Max Resolution: 4K@30fps
- 180° FOV (H) and 60° FOV (V)
- Sensor: OV12D, 12MP, 1/2.5, 1.405
- Tilt Range: UP 15°, Down 15°
- Display Mode: Dynamic (Support Compose/ Manual/ Autoframing/ Grid/ Presentation and Speaker mode)
- Fixed Focus, 4X lossless zoom
- Focus Distance: 1.5 m
- Aperture: 2.2
- Minimum Illumination: 10lux
- Stitching: Hyper-stitching (Adaptive real-time stitching)
- Color System / Compression: H.264/YUY2/MJPG

AUDIO

- Microphones: 2
- Pickup Distance: 13 feet
- Audio Algorithm: AGC (Automatic Gain Control) , NC (Noise Cancellation)

INTERFACE

- USB Interface: USB 2.0(UVC, UAC), USB Type C
- Operating System: Windows® 7 (1080p and under only), Windows 8.1, Windows 10, MAC OS 10.10 or higher
- Hardware Requirement: 2.4 GHz Intel® Core 2 Duo processor or higher, 2 GB RAM or more

POWER

- Input Voltage: 5 V
- Current Consumption: 500 mA
- Power Consumption: 2.5 W

ENVIRONMENTAL

- Operating Temperature: 0 ° C - 40 ° C
- Operation Humidity: 10% - 90%RH
- Storage Temperature: -20 ° C - 60 ° C
- Storage Humidity: 10% - 90%

MECHANICAL

- Dimensions (WxHxD): 3.93 x 0.98 x 1.96 " (100 x 25 x 50 mm)
- Weight: 0.46lb (0.21 Kg)

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