

# PureLink

**Unified Collaboration**  
for Modern Workspaces



Meeting rooms fail not from a lack of technology, but from too many mismatched devices. Vuelogic by PureLink addresses this with a co-engineered ecosystem — videobar, PTZ camera, BYOD switcher, extension microphone and wireless sharing dongle — covering BYOD connectivity, 4K signal routing, wireless presentation and scalable audio within a single, modular architecture that integrators can deploy and expand without rework.

Users connect instantly via USB-C or wirelessly (AirPlay, Miracast, Chromecast, VL-DGL200), with access to camera, microphone, display and USB peripherals — without reconfiguration between presenters. AI-driven camera tracking and onboard DSP (AEC, AGC, ANS) deliver consistent video and audio quality without intervention. For integrators, fewer devices, simplified cabling and Xyte Cloud management reduce installation complexity and support overhead.



Six Products. One Vuelogic Ecosystem. Endless Rooms.

Dual-Output 4K Smart Videobar VL-VB300-PRO



- 4K AI camera with auto-framing and speaker tracking
- Integrated mic array, speakers and media switcher
- Wireless and wired presentation to dual-screen output

Compact 4K Dual-Lens PTZ Camera VL-PTZ100P



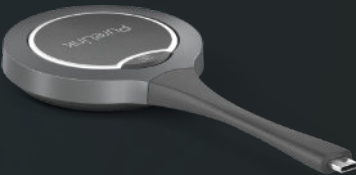
- Simultaneous 4K PTZ and 1080p panoramic streams
- ONVIF / RTSP / RTMP / SRT streaming, NDI optional
- AI speaker and presenter tracking

4K60 BYOD Collaboration Switcher VL-BYOD200



- 60W Power Delivery, USB peripheral switching
- HDMI / USB-C Alt-Mode, HDMI and HDBaseT output
- Wireless: AirPlay, Miracast, Chromecast, VL-DGL200

4K Wireless Sharing Dongle VL-DGL200



- 4K 30Hz via DisplayPort Alt-Mode, dual-band Wi-Fi
- Wireless access to room camera, mic and touch screen
- Plug-and-play on Windows 10/11 and macOS

MEMS Extension Microphone VL-MIC110



- Quad MEMS array, 3-5 metre omnidirectional pickup
- AEC, AGC, ANS onboard; full-duplex
- Daisy-chain up to five units over Cat. cable

USB-C Extension Microphone VL-MIC115



- Quad MEMS array, 3-5 metre omnidirectional pickup
- AEC, AGC, ANS onboard; full-duplex
- USB-C 2.0 port for UAC and 5V power

Vuelogic by PureLink is a co-engineered UCC ecosystem where every component works together. It combines intelligent video, professional conferencing, wireless presentation, room connectivity and Xyte Cloud integration to create a scalable platform for huddle rooms, conference spaces and enterprise environments.

Flexible integration, broad platform compatibility and centralised device management simplify deployment, reduce maintenance and deliver a consistent collaboration experience across every installation.

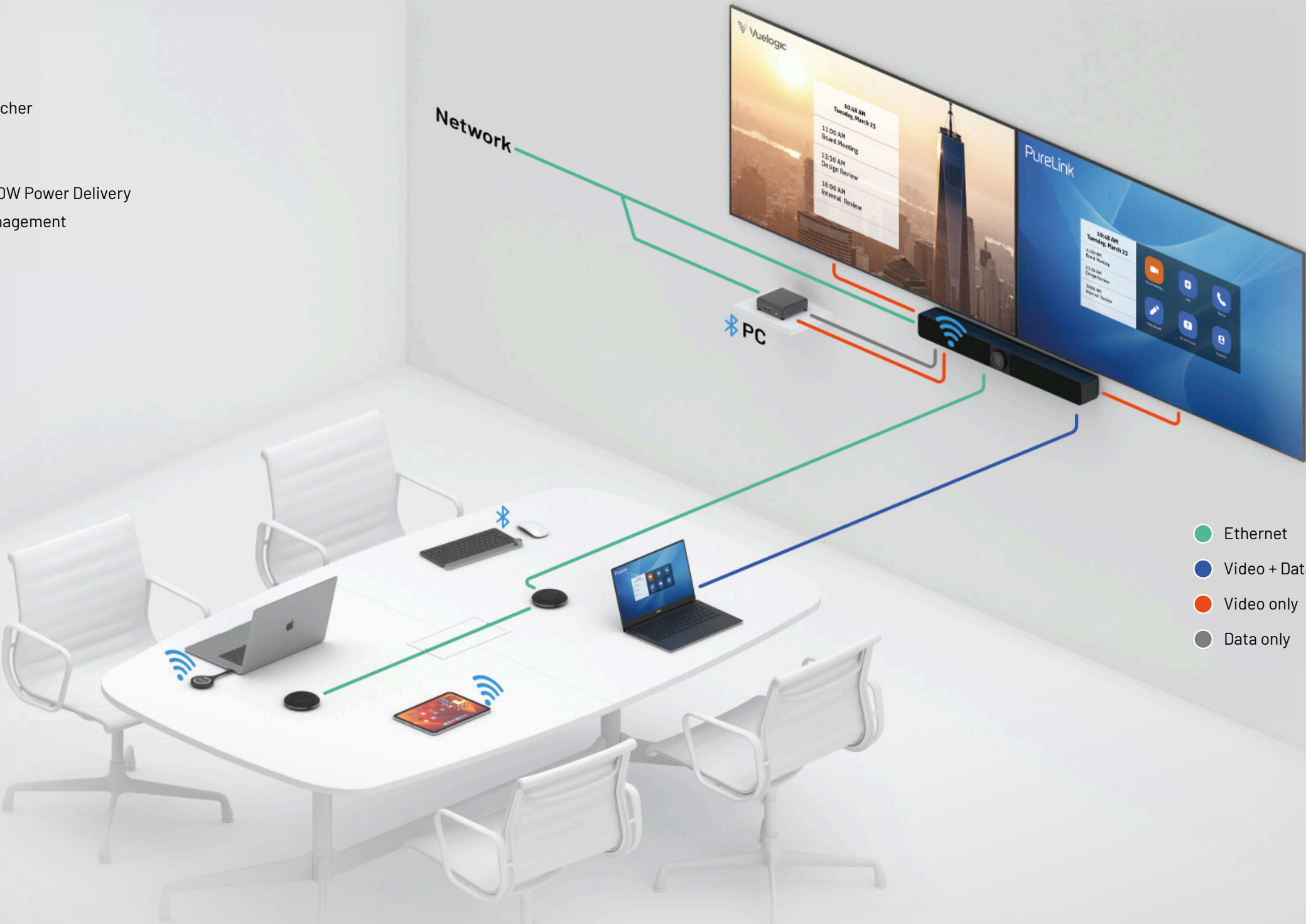
- ✓ 4K video collaboration with AI auto-framing and tracking (VL-VB300-PRO, VL-PTZ100P)
- ✓ Wired and wireless BYOD switching with Multi-View (VL-VB300-PRO, VL-BYOD200, VL-DGL200)
- ✓ Integrated room audio with expandable microphone coverage (VL-VB300-PRO, VL-MIC110, VL-MIC115)
- ✓ USB-C single-cable connectivity with up to 60W Power Delivery
- ✓ UC certified, with centralised Xyte Cloud management



All-in-One Huddle Room  
Compact Collaboration, Minimal Setup

Solution Components:

- ✓ VL-VB300-PRO Smart Videobar & Media Switcher
- ✓ VL-DGL200 Wireless Collaboration Dongle
- ✓ Extension Microphones VL-MIC110
- ✓ USB-C single-cable connectivity with up to 60W Power Delivery
- ✓ UC certified, with centralised Xyte Cloud management



Designed for small meeting rooms and agile collaboration spaces, this all-in-one setup combines intelligent video conferencing, wireless content sharing, and enhanced audio coverage in a single streamlined solution.

The VL-VB300-PRO serves as the centrepiece of the room, integrating camera, microphones, speakers, media switching, and BYOD functionality into one device. It supports one or two displays as independent outputs – showing two separate sources side by side rather than a

single desktop extended across both screens. Combined with the VL-DGL200 dongle, users can instantly share content wirelessly and start meetings without complicated setup procedures.

For larger huddle spaces, the extension microphones VL-MIC110 expand voice pickup coverage to ensure every participant is clearly heard during hybrid meetings.

Solution Components

- ✓ Simple all-in-one room deployment
- ✓ Minimal cabling and installation effort
- ✓ Wireless presentation and conferencing
- ✓ AI-enhanced camera tracking and framing
- ✓ Clear audio performance for hybrid meetings
- ✓ Suited to modern agile workspaces

Ideal Applications

- ✓ Huddle rooms
- ✓ Small collaboration spaces
- ✓ Executive offices
- ✓ Hybrid teamwork environments

Large Meeting Room  
Professional Collaboration for Demanding Environments

Solution Components:

- ✓ VL-BYOD200 Collaboration Switcher
- ✓ HDBaseT 3.0 HDMI and USB 2.0 Receiver PT-HDBT-1020HU-RX
- ✓ VL-PTZ100P Compact 4K PTZ Camera
- ✓ VL-DGL200 Wireless Collaboration Dongle



Built for medium and large conference rooms, this configuration provides flexibility for hybrid collaboration and scalable AV integration.

The VL-BYOD200 enables seamless switching between user laptops and room systems while managing USB peripherals, displays, and conferencing hardware. Combined with a dedicated HDBaseT receiver and the

VL-PTZ100P camera, the system delivers video conferencing with intelligent camera tracking and 4K imaging.

The VL-DGL200 wireless dongle allows users and guests to present instantly without relying on adapters or complex room connections.

Solution Components:

- ✓ Flexible BYOD conferencing workflows
- ✓ 4K camera integration with AI tracking
- ✓ Simplified switching between room and user devices
- ✓ Wireless presentation support
- ✓ Scalable room integration for enterprise environments
- ✓ Built for hybrid collaboration

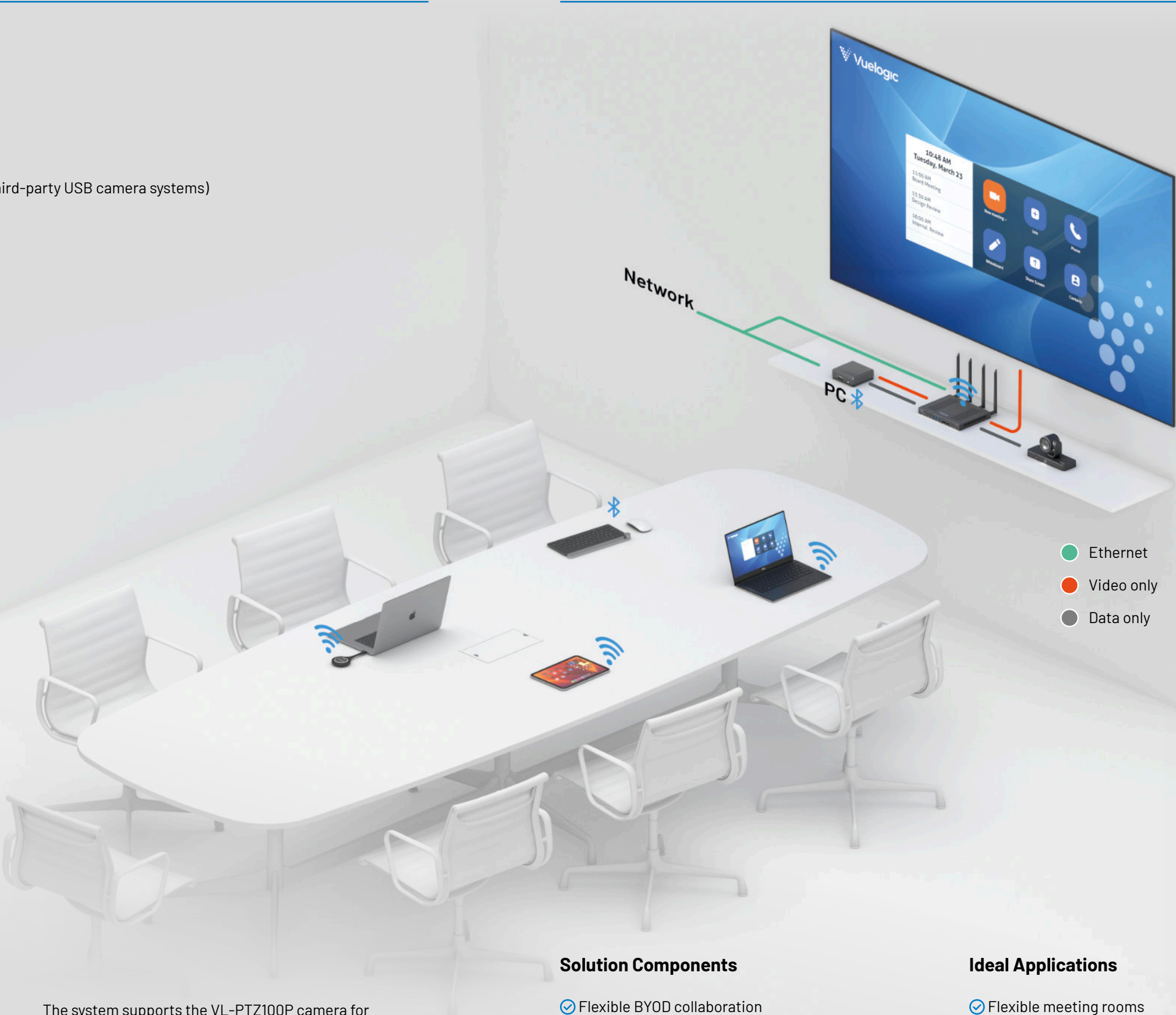
Ideal Applications

- ✓ Large conference rooms
- ✓ Boardrooms
- ✓ Training and presentation spaces
- ✓ Corporate collaboration environments

**Wireless Collaboration Space**  
**Flexible BYOD Meetings Without Boundaries**

**Solution Components:**

- ✓ VL-BYOD200 Collaboration Switcher
- ✓ VL-PTZ100P Compact 4K PTZ Camera (or existing third-party USB camera systems)
- ✓ VL-DGL200 Wireless Collaboration Dongle



This flexible wireless collaboration setup suits organisations seeking simplified meeting experiences while leveraging existing AV infrastructure. The VL-BYOD200 enables users to connect wirelessly and access room peripherals instantly, while the VL-DGL200 provides intuitive wireless presentation for both employees and guests.

The system supports the VL-PTZ100P camera for professional conferencing performance, but can also integrate existing USB camera solutions already installed in the room – protecting prior investment and adding deployment flexibility.

**Solution Components**

- ✓ Flexible BYOD collaboration
- ✓ Supports existing camera infrastructure
- ✓ Wireless content sharing and conferencing
- ✓ Fast room onboarding for users and guests
- ✓ Ideal for rooms with a pre-existing audio setup
- ✓ Suited to flexible and evolving workspaces

**Ideal Applications**

- ✓ Flexible meeting rooms
- ✓ Shared workspaces
- ✓ Multi-purpose collaboration areas
- ✓ Upgrade projects for existing conference rooms

VL-BYOD200

# 4K60 BYOD Collaboration Switcher

Unified HDMI, USB-C and Wireless Switching for Professional Meeting Rooms



- Multi View
- 4K I/O
- Wireless Share
- USB-C 60W PD
- LAN Control

## KEY FEATURES

- Video:** Multi-View screen sharing with fast video and USB peripheral switching
- I/O:** 4K 30Hz 4:4:4 HDMI/USB-C inputs; 4K 60Hz 4:4:4 HDMI and 4K 60Hz 4:2:0 HDBaseT outputs
- Wireless:** Built-in Wi-Fi sharing via AirPlay, Miracast, Chromecast and VL-DGL200
- Connectivity:** USB-C Alt-Mode with 60W Power Delivery, Ethernet and USB 3.X data
- Control:** 3x 5Gbps peripheral ports, secure/utility LAN, Web-GUI, TCP/IP and RS232

The VL-BYOD200 accepts 4K 30Hz 4:4:4 signals over HDMI and USB-C Alt-Mode and delivers simultaneous 4K 60Hz output over HDMI and HDBaseT, supporting both direct-view displays and extended distribution runs without additional splitters. USB-C input combines video, 60W Power Delivery, Ethernet pass-through and USB 3.X data in a single connection; three 5Gbps USB peripheral ports enable seamless switching of cameras, audio devices and touch interfaces between room system and user device. Control integrates via web GUI, TCP/IP and RS232.

The integrated Wi-Fi module supports AirPlay Mirroring, Miracast, Chromecast and the VL-DGL200 Sharing Dongle, eliminating guest network dependency for wireless presentation. Multi-View screen sharing enables simultaneous display of multiple sources, reducing presenter switchover time in multi-user workflows.

## Ideal Applications

BYOD meeting rooms · Flexible workspaces · Corporate conferencing · Multi-user collaboration environments

VL-VB300-PRO

# Dual-Output 4K Smart Videobar

Integrated Camera, Audio and BYOD Media Switcher with Xyte Cloud Management



- 4K Camera
- Auto Framing
- Stereo Audio
- Mic Array
- Cloud Managed

## KEY FEATURES

- Video:** 4K camera with 5x zoom, 120° FOV, AI auto-framing and speaker/presenter tracking
- I/O:** Dual independent display outputs - two separate sources side by side
- Wireless:** Wired or wireless presentation via USB-C, AirPlay, Miracast or VL-DGL200
- Audio:** 8-element MEMS mic array (8m, 180°) and 2x 8W stereo speakers; AEC, AGC, ANS
- Management:** Web-GUI and TCP/IP Windows 10+/macOS 10.15+ Xyte Cloud management

The VL-VB300-PRO integrates a 4K camera, 8-element MEMS microphone array and 2x 8W stereo speakers into a single housing, eliminating separate audio and video peripherals. The dual screen output supports simultaneous display of shared content and video feeds; wired (HDMI, USB-C) and wireless input via AirPlay, Miracast and the VL-DGL200 Sharing Dongle are handled by the integrated media switcher.

AI-driven auto-framing, speaker tracking and presenter tracking optimize framing across a 120° field of view without manual PTZ control. Up to five VL-MIC110 extension microphones can be daisy-chained over Cat. cable for larger rooms. Built-in GUI and Xyte Cloud management enable remote monitoring and configuration across distributed deployments.

## Ideal Applications

Corporate meeting rooms · Hybrid collaboration spaces · Executive boardrooms · Medium-sized conference rooms

VL-PTZ100P

# Compact 4K PTZ Camera with Dual-Lens Design

Simultaneous PTZ and Panoramic Capture with Multi-Protocol IP Streaming



- 4K Camera
- 4K Output
- PoE LAN
- Mic Tracking
- 3x Zoom

## KEY FEATURES

- Video:** Binocular AI camera – 4K PTZ and 1080p panoramic streams simultaneously
- I/O:** HDMI/USB 4K 30Hz output (no HDCP); MJPEG/H.264/H.265; UVC 1.1
- Network:** LAN with PoE; ONVIF/RTSP/RTMP/ SRT/TCP/UDP, optional NDI
- Audio/Tracking:** Quad linear mic array driving auto-framing, speaker/presenter tracking and gallery mode
- Optics:** Main lens 8MP, 3x optical zoom, DFOV 110° | panoramic 2MP, fixed, DFOV 120°

The VL-PTZ100P operates two lenses simultaneously: a primary 8MP PTZ lens (3x optical zoom, 110° DFOV) for tracked close-up capture and a fixed 2MP panoramic lens (120° DFOV) for continuous room overview, enabling split-screen or picture-in-picture layouts without a second camera unit.

HDMI and USB outputs deliver 4K 30Hz with H.264 / H.265 or MJPEG encoding; UVC 1.1 ensures driver-free integration with conferencing platforms. The LAN port supports PoE alongside ONVIF, RTSP, RTMP, SRT and NDI (optional) for IP-based AV workflows. AI-driven speaker and presenter tracking adjust framing dynamically via the integrated quad linear microphone array.

## Ideal Applications

Conference rooms · Boardrooms · Lecture and training spaces · Professional streaming and UC environments

VL-DGL200

# Wireless Sharing Dongle for VL-VB300-PRO and VL-BYOD200

4K Wireless Presentation with Full Peripheral Access over Dual-Band Wi-Fi



- 4K Wireless
- Touch Control
- Dual-Band Wi-Fi
- Plug & Play
- Windows macOS

## KEY FEATURES

- Video:** 4K 30Hz 4:4:4 transmission via DisplayPort Alt-Mode
- I/O:** Wireless access to room touchscreen, microphone and camera
- Wireless:** Dual-band Wi-Fi (2.4GHz and 5GHz, 5GHz default)
- Operation:** Plug-and-play streaming; software required for USB data interactivity
- Compatibility:** Windows 10/11 and macOS; works with VL-VB300-PRO and VL-BYOD200

The VL-DGL200 transmits 4K 30Hz video at 4:4:4 chroma subsampling via DisplayPort Alt-Mode over dual-band Wi-Fi, operating on 5GHz by default for stable throughput in dense RF environments without requiring a dedicated SSID or guest network access.

Beyond screen sharing, the dongle provides wireless access to the room's camera, microphone and touchscreen, enabling users to manage conferencing sessions from their own laptop without interacting with the room control system. Connection is plug-and-play on Windows 10/11 and macOS; a single button starts and ends the session. USB data interactivity requires the companion software.

## Ideal Applications

Wireless meeting environments · BYOD collaboration · Huddle spaces · Corporate presentation systems

VL-MIC110

# Extension Microphone for Vuelogic Videobars

Scalable MEMS Pickup Array with Integrated DSP for VL-VB300-PRO



- Mic Array
- Audio DSP
- Daisy Chain
- Mute Button
- Cat. Cable

## KEY FEATURES

- Pickup:** Quad array of MEMS omnidirectional microphones, 3-5m range
- Audio/DSP:** On-board AEC, AGC, ANS and full-duplex communication
- Expansion:** Daisy-chain up to five units over Cat cable to extend coverage
- Control:** Mute button with LED status indicator
- Compatibility:** Connects to VL-VB300-PRO via Cat. cable (extension dongles included)

The VL-MIC110 extends microphone coverage for the VL-VB300-PRO via a quad MEMS array with a 3-5 metre omnidirectional pickup zone, connecting over a standard Cat. cable with the supplied dongles – no additional DSP hardware required. Up to five units can be daisy-chained for scalable coverage in large or irregularly shaped rooms.

Acoustic Echo Cancellation (AEC), Automatic Gain Control (AGC) and Automatic Noise Suppression (ANS) are processed onboard, maintaining voice intelligibility across varying acoustics and noise levels. Full-duplex operation and a dedicated mute button with LED feedback complete the integration.

## Ideal Applications

Medium and large conference rooms · Extended collaboration spaces · Hybrid meetings · Boardrooms

VL-MIC115

# USB Extension Microphone for Any Device

Scalable MEMS Pickup Array with Integrated DSP over Standard USB



- Mic Array
- Audio DSP
- USB UAC
- Mute Button
- Any Devices

## KEY FEATURES

- Pickup:** Quad array of MEMS omnidirectional microphones, 3-5m range
- Audio/DSP:** On-board AEC, AGC, ANS and full-duplex communication
- Connection:** USB-C 2.0 (UAC) – driver-free and bus-powered at 5V
- Control:** Mute button with LED status indicator
- Compatibility:** Works with any conference room switcher or AV product with a USB input

The VL-MIC115 is a USB-C microphone with a quad MEMS omnidirectional array and a 3-5m pickup zone. It connects over a single USB-C 2.0 port using UAC (USB Audio Class), operating driver-free and bus-powered at 5V without external DSP. Because it is not tied to a specific host, it works with any conference room switcher or meeting room AV product that has a USB input – across the full PureLink range and with third-party UC systems.

Acoustic Echo Cancellation (AEC), Automatic Gain Control (AGC) and Automatic Noise Suppression (ANS) are processed onboard, maintaining voice intelligibility across varying acoustics and noise levels. Full-duplex operation and a dedicated mute button with LED feedback complete the integration.

## Ideal Applications

Medium and large conference rooms · Extended collaboration spaces · Hybrid meetings · Boardrooms · Mixed-platform BYOD

# Xyte Cloud Ready

Centralised Device Management. Anywhere.

The VL-VB300-PRO and VL-PTZ100P integrate seamlessly with Xyte Cloud for centralised remote monitoring, device management and firmware updates. The platform simplifies administration, improves support efficiency and reduces onsite maintenance across professional AV installations.



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