

VidyoPanorama™

Multi-Screen Collaboration



VidyoPanorama™ is a multi-screen telepresence system that allows distributed teams to connect and collaborate easily from desktop, mobile, and room-based systems. Unlike traditional telepresence studios connected by QoS-enhanced links, VidyoPanorama delivers multipoint collaboration over everyday broadband links at a fraction of the cost. With multiple content shares and HD participant video on up to nine screens, VidyoPanorama helps distributed teams solve problems, make decisions, and move projects forward.

Key Features

Unique VidyoPanorama Features

- Choose up to 9 screens to suit your room, workflow and budget
- Display shared content from multiple participants on up to 8 screens
- Customize layout per screen to show full-screen participant video, continuous presence, or multiple screens of shared content
- Adaptive Video Layering™ delivers multipoint conferencing with imperceptible latency without QoS-enhanced networks

Intuitive User Interface

- One-click call initiation on the touch-screen VidyoRemote™ tablet
- Global address book of users and rooms with presence and speed dials

Easy Accessibility

- Join from any VidyoRoom™ system; any Mac, Windows, or Linux system running VidyoDesktop™; or any iOS or Android smartphone or tablet running VidyoMobile™
- Third party endpoints and MCUs can join via the free VidyoWay™ interconnectivity service, or via the optional VidyoGateway™ appliance

Audio and Camera Controls

- Adjust speaker volume and mute/unmute
- Adjust mic gain and mute/unmute
- Video privacy mode
- Pan, tilt and zoom via remote control

Security & Network Features

- Optional Encryption: AES 128bit, HTTPS
- Automatic firewall and NAT traversal

Specifications

| VidyoPanorama™ | |
|---|--|
| System Components | 1x VidyoPanorama Controller/Encoder Up to 9x VidyoPanorama Decoders (1 for each display) 1x Touchscreen VidyoRemote Tablet |
| Video Codec | Native: H.264 SVC Via VidyoGateway: H.263, H.263+, H.264 AVC |
| Audio Codec | Native: SPEEX Wideband Audio up to 32 Khz sampling rate Via VidyoGateway: G.711, G.722 |
| Live Resolutions (Transmitted) | Native: 1080p60, 1080p30, 1080p15, 720p60, 720p30 Via VidyoGateway: 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF |
| Live Resolutions (Received) | Native: 1080p60, 1080p30, 1080p15, 720p60, 720p30 Via VidyoGateway: 1080p30, 720p30, 4CIF, 4SIF, CIF, SIF, QCIF |
| Data Rate (Transmitted) | Minimum: 1Mbps for 720p 30fps, or 2Mbps for 1x1080p 60fps Maximum: 6Mbps for 1x1080p 60fps |
| Data Rate (Received) | Minimum: 1Mbps for 720p 30fps, or 2Mbps for 1x1080p 60fps Maximum: 40Mbps in multiple video streams |
| Content Sharing Resolution | Up to QSXGA (fitted to screen resolution) |
| Content Sharing Participants | Up to 8 (number of screens -1); from any desktop or room system |
| Video Outputs | 1x DVI |
| Camera In | 1x DVI |
| Camera Control | 1x RS-232P |
| Audio Inputs/Outputs | 1x USB |
| Signaling Protocols | Native: EMCP, SCIP Via VidyoGateway: H.323, SIP |
| Encryption | Native: AES 128bit, TLS, SRTP, HTTPS Via VidyoGateway: H.235 |
| Centralized Configuration and Management | VidyoPanorama systems are configured and managed by the VidyoPortal |
| Monitoring | SNMP |
| Network Interface | Gigabit Ethernet: Supports 10BASE-T, 1000BASE-TX and 1000BASE-T, RJ45 outputs |
| Power Supply | 1x 250W, 100-240v, 4-2A, 50-60Hz |
| Recommended Camera | Sony EVI-HD7 Camera |
| Recommended Audio | ClearOne Interact AT |
| Recommended Network | LAN Switch: Enterprise-class Ethernet switch, such as HP Procure 1810G 24-port Ethernet Switch or Cisco Catalyst 2960 Series Wi-Fi: Wireless G or better Wi-Fi router for system control by the wireless VidyoRemote tablet WAN: Broadband IP WAN link (QoS not required) |
| Operating Temperature Range | 10 to 35° C (50 to 95° F) |
| Non-Operating Temperature Range | -40 to 65° C (-40 to 149° F) |
| Operating Humidity Range | 20% to 80% (non-condensing) |
| Non-Operating Humidity Range | 5% to 95% (non-condensing) |
| Regulatory | EMI/EMC: EN55022, EN55024, FCC, VCCI, Australian/New Zealand, MIC (Korea) Safety: USA: TUV certified; Canada: TUV certified; Europe/CE Mark EN 60950/IEC 60950-Compliant; China: CCC Certification Environmental: RoHS compliant |
| Dimensions | Height: 1.67" (42.6 mm) Width: 15.5" (393.7 mm) Depth: 17.1" (431 mm) Gross Weight: 17.76 lbs (8.058 kg) |



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