Interactive Kiosk Station™ for Video Conferencing

The **Cobalt Audio/Video interactive Kiosk Station** is a new concept in nuclear outage central monitoring and work control coordination, giving participants point-to-point or point-to-multipoint conversation and viewing over an internal network.

We have implemented an innovative state-of-the-art 1080P full-HD video conferencing endpoint that fulfills multiple nuclear and other industrial applications. It is designed with high quality components for ease-of-use, reliability, and cost-efficiency.

To make it even simpler, the Cobalt A/V Kiosk Station supports an Intelligent Firewall Traversal which allows users to plug and play with no further firewall configuration from box to work with an easy 5-minute setup. In addition, the Cobalt A/V Kiosk Station supports bandwidth dynamic adaptive adjustment, and an 8% resistance packet loss. In this newest version, users can enjoy up to 8-party 720P calls (asymmetric) with multipoint license, plus other interface options.

This full-HD room system enables multipoint video conferencing. It comes standardly equipped with a robust video camera and microphone as well as rich advanced features that ensure high-quality video collaboration with remarkable ease and cost-effectiveness.

Kiosk Station

BENEFITS

HD Audio
With gooseneck condenser microphone features HD voice technology and excellent voice pickup, which offer crystal-clear audio performance and coverage of every corner of the meeting space. Users can connect for improved audio.

HD Video
The system offers 1080P30 people+content shared video conferencing. It also supports full-HD dual stream to demonstrate documents or videos, a development to significantly improve the user conferencing experience.

Optimal HD Voice
14KHz CD level broadband audio quality, plus a number of new leading-edge professional voice processing technologies, guarantee users an excellent audio experience.

Outstanding User Experience
The Cobalt A/V Kiosk Station makes maximum use of its advanced features to provide an outstanding user experience. It supports intelligent searching when making calls. During a call, you can adjust the screen layout as you wish. In addition, using the dual-screen display you can show whatever you like on a second screen at full size. This system also supports video recording and screenshots to record conferences more efficiently. An outstanding user experience leads to lower learning costs and higher efficiency.

High Interoperability
The Cobalt A/V Kiosk Station supports SIP and H.323 and is compatible with the industry's major system and terminal vendors, introducing an important cost-effectiveness and flexibility that helps users. Interconnection is also possible with other devices. Users can access video conferencing at anytime and anywhere at their convenience.

FEATURES

- Full 2-way audio/video intercom between RCA kiosk and outside desk location
- Allows face-to-face video and audio with ability to record events
- Allows 2 or more additional cameras for job coverage
- Small, portable, easy to set up format allows for quick deployment
- Immediate dose and manpower savings
- Doubles as portable "crash cart" video monitoring package
- Can be set up as a stand-along system, i.e., no connection with, or impact on site network
- Uses CAT-7 or fiber to connect the two locations
- RP Monitoring of high rad jobs Remote FME control
- Expedited monitoring of hot jobs
- Temporary placement for remote job coverage

PACKAGE INCLUDES:

Cobalt A/V Kiosk Station codec
VCS Phone
Full-HD PTZ Camera
Remote Control
Dual-camera Box (optional)

Component specifications on back page:

Cloud Platform Compatibility | 8-party MCU | 18X/12X PTZ Camera | Content Sharing | Optimal HD Voice | Video Recording | Dual Monitors

Interactive Kiosk Station™ for Video Conferencing

SPECIFICATIONS:

General Features
- Multipoint license for up to 8 parties
- H.323/SIP dual-protocol support
- Compatible with multiple cloud platforms (Yealink/Starleaf/zoom/Pexip/BlueJeans/Mind)
- H.239/BFCP (SIP) dual-stream protocol support
- H.264 high profile, saving 50% bandwidth
- Intelligent Firewall Traversal
- Bandwidth dynamic adaptive adjustment
- Video recording and playback
- Remote diagnosis
- Dual displays and 'focus' feature
- Support dual 12x cameras VCC20 through VCB20
- High compatibility and interoperability
- TCP/IP & RS232 with API support

Full-HD PTZ Camera
- **VCC20**
  12x optical zoom PTZ camera - Horizontal field of view: 70°
  1920 x 1080 video resolution
- **VCC18**
  18x optical zoom PTZ camera - 1920 x 1080 video resolution

Video Standard and Network Suitability
- H.264 High Profile, H.264, H.263
- Bandwidth dynamic adaptive adjustment
- Forward Error Correction (FEC), anti 8% video and 20% audio packet loss
- Shared content and audio preference strategy
- Bandwidth Auto adaptive/Protocol Auto adaptive/Audio/Video call Auto adaptive

Audio Input
- 1 x VCS Phone VCP41
- 1 x VCS Phone VCP40 *(optional)*
- 1 x Array Microphone VCM30 *(optional)*
- VCS Phone with 2 CPE80 Expansion Microphones
- 1 x Line-in (3.5mm)

Audio Output
- 1 x VCS Phone VCP41
- 1 x VCS Phone VCP40 *(optional)*
- 1 x HDMI
- 1 x Line-out (3.5mm)

Audio Features
- Audio Codecs: G.722.1C, G.722.1, G.722, G.711 u/a
- Audio technology: AEC, VAD, CNG, PLC, AJB, AG

Standard Communication Protocol
- H.323/SIP
- Dual stream protocol: H.239/BFCP (SIP)
- FECC: H.224/H.281
- H.323 protocol suite: H.225, H.241, H.245, H.235 v3
- Gatekeeper account and SIP account

Configuration Management
- Configuration via browser/display
- Firmware upgrading, factory resetting
- Export or import configuration
  SNMP, audio/video and network diagnosis
  Package tracing and system log exporting

Call Features
- Compatible with multiple cloud platforms (Yealink/Starleaf/zoom/Pexip/BlueJeans/Mind)
- 8-party 720P calls (asymmetric) with multipoint license
- Dual 1080P30: people + content sharing
- Layout: full-screen, equal, one big/one small
- Dual displays and 'focus' feature
- Audio/Video recording and playback
- Screenshots in USB flash drive
- Sleep mode, DND, call statistics
- Meeting password, Anti-attack
- Auto answer, mute, and call waiting
- Smart Dialing
- Local directory: 500 entries + 100 meeting entries
- Call History: all/missed/received/dialed
- LDAP phonebook
- Multi-language support
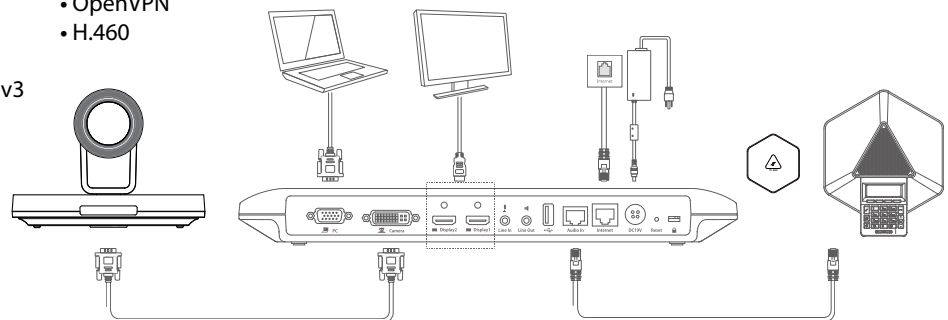
Other Physical Features
- External universal AC adapter:
  AC 100~240V Input
  DC 19V/3.42A Output
- Wall mounted shelf with screws
- Power consumption (PSU): Idle<2.8W
  Normal operating: 24W
  Max: 30W
- Dimensions (W.D.H):
  Codec: 330mm x 183mm x 40mm;
  Phone: 320mm x 260mm x 52mm;
  Camera: 282mm x 152mm x 159mm;
  Remote control: 190mm x 55mm x 24mm
- Operating humidity: 10~95%
- Storage temperature: -10~50°C

Network and Security
- TCP/IP & RS232 with API support
- TCP/IP (IPv4/IPv6), DHCP/stastic IP
- HTTP/HTTPS web server
- SRTP/TLS, AES encryption
- QoS: 802.1p/Q, Diff-serv
- IEEE802.1X, LLDP-MED, VLAN
- Time and date synchronization using SNTP
- Built-in certificate NAT and Firewall Traversal
- NAT/STUN/ICE
- Intelligent Firewall Traversal
- OpenVPN
- H.460

User Interface
- 1 x 10/100/1000M Ethernet
- 2 x HDMI, 1 x DVI (Camera/VCA70/VCB20)
- 1 x VGA, 1 x Audio port (RJ-45)
- 1 x Line-in (3.5mm)m 1 x Line-out (3.5mm)
- 1 x power port, 2 x USB2.0 port, 1 x power key
- 1 x security lock slot, 1 x reset slot

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