

## Devices & Phones



# Avaya H175 Video Collaboration Station

## HD Video, Telephony, and Unified Communications Combined for Highly-Effective Engagement

The Avaya H175 Video Collaboration Station is a unique touchscreen device that delivers high quality voice calls, full HD video collaboration, and access to key productivity enhancing capabilities like presence, a synchronized calendar and synchronized contacts. Solidly built, elegantly designed, and ready to support the way you work for years to come, the H175 helps drive team engagement throughout your organization.

Video collaboration can boost productivity and enhance relationships by enabling far-flung colleagues and business associates to interact as if they're all in the same room. Enjoy richer, more persuasive meetings and look your colleagues in the eye with the Avaya H175. The advanced H.264 High Profile video engine, detachable full HD 1080p camera, flexible HDMI inputs and outputs, along with wideband audio subsystem makes it fast and easy to enable a highly effective personal engagement environment or create a small "huddle" meeting station with the H175.

Extensive connectivity offers convenience for both the user and the administrator. The Avaya H175 Video Collaboration Station has built-in WiFi, Gigabit Ethernet, plus an additional network outlet for a co-located PC which simplifies deployment to lower costs. Why settle for anything less?

### Rich Business Telephony

Avaya H175 users enjoy full Avaya Aura® or Avaya IP Office™ communication features with easy call control and management via the large seven-inch touchscreen display. Productivity is enabled by anticipating user intentions with context sensitive menus and prompts making advanced tasks such as call transferring, call forwarding, conference calls, and bridged call



### Highlights

- Rich Business Telephony
- Full HD Video Conferencing
- Integrated with Avaya UC
- Extensive Connectivity
- Productivity Enhancing Apps

appearances simple. Superior acoustics reduce distracting background noise and provide wideband voice with handsets, headsets, and the embedded full-duplex speakerphone for fatigue-free communications. Wired and cordless DECT 6.0 handsets are available for flexibility. For administrators, the Avaya H175 can be managed with the same tools as the Avaya 9600 Series IP Deskphones with SIP 6.x and 7.x software.

### Full HD Video Conferencing

The Avaya H175 sets the standard for desktop videophones including capabilities more often found in dedicated video conferencing systems. The full HD 1080p30fps camera and wideband audio system transform a simple video meeting into a true collaborative session providing an atmosphere almost as if local and remote meeting participants were working together in the same room. Efficient, high-performance video collaboration is achieved with H.264 High Profile offering the same quality as traditional H.264 compression but requiring 30% less bandwidth—ideal for real world networks.

### Integrated with Avaya UC

With an enhanced user interface optimized for touchscreen operation and shared with Avaya Communicator, the H175 offers tight integration with the Avaya UC platform for a simple and intuitive user experience. Users can immediately view colleagues' presence and place an audio or video call. Conferencing is just as simple where dragging and dropping multiple participants into a call starts the session, and while active, users can see participant names and have complete conference control through the meeting roster. Interoperability includes Avaya Scopia® video solutions for feature rich multi-party video conferencing, and large-scale audio and video conferences with Avaya Aura Conferencing.



## The Contact Application Synchronizes With Microsoft Exchange, Which Includes the Ability to Search an Entire Organization's Directory.

### Extensive Connectivity

The H175 offers flexible connectivity options enabling numerous use cases. With HDMI output, video meetings can be held with a small group or “huddle” and viewed on a much larger external display; HDMI input provides simultaneous external display of PC applications and video sessions with flexible, user-selectable layout options. The detachable HD camera can be easily mounted separately on external displays, and is adjustable for optimal eye level positioning. USB and Bluetooth support your favorite headset, keyboard, and mouse; a high-powered USB port allows for rapid charging of mobile devices. Dual-band WiFi and two Gigabit Ethernet ports greatly simplify deployment and installation.

### Productivity Enhancing Apps

With touchscreen access to web-based applications, menus, calendars, and directories, the H175 Video Collaboration Station supports the way you work now and for years to come. The contact application synchronizes with Microsoft Exchange, which includes the ability to search an entire organization's directory. Microsoft Exchange Calendar integration offers meeting reminders with click-to-dial capabilities including phone numbers and embedded conference access codes saving time-robbing steps and errors in connecting. The built-in browser enables convenient access to websites and enterprise applications with information at a glance and click-to-dial power.

#### Hardware

##### Display

- 7" capacitive touchscreen
- 1280 x 800 WXGA resolution

##### Audio

- Wideband audio through handset, headset and speakerphone
- Full-duplex speakerphone

##### Video

- Full HD 1080p HD video
- Video displayed on built-in 7" touchscreen or on external monitor
- External monitor output provides simultaneous display of video conferencing and PC (via HDMI in) with Picture-in-Picture support
- Variable window size / position

#### Camera

- 1080p30fps resolution
- Detachable
- f2.0 lens for superior low light performance
- Field of View (H) up to 70°
- Focus range from 40 cm (15.7") to 3 m (9.8')
- Privacy shutter
- Manual tilt for optimal eye level positioning
- Integrated or external display mount
- Activity LED

#### Handset

- DECT 6.0 cordless handset with answer, volume, and mute controls
- Optional wired handset

## Physical Buttons & Status Indicators

- Dial pad
- Volume up / down
- Audio mute with LED status
- Camera block with LED status
- Speakerphone with LED status
- Headset with LED status
- Incoming call / message waiting LED status
- Capacitive touch buttons with LED status for home, contacts, communication app, call history and back / previous

## Connectors / Ports

- 1 x RJ45 Gigabit Ethernet PoE LAN
- 1 x RJ45 Gigabit Ethernet PC
- 1 x USB dedicated camera
- 1 x USB 2.0 for high-powered charging (up to 1.5 A)
- 2 x USB 2.0 for headset, keyboard, mouse
- 1 x USB 2.0 Micro AB
- 1 x HDMI out for external monitor
- 1 x HDMI in for PC input
- 1 x RJ9 analog handset
- 1 x RJ9 analog headset
- 1 x 48 V AC power supply
- 1 x microSD card slot (future support)

## Physical Security

- Kensington security slot

## Storage

- 8GB eMMC flash memory

## Memory

- 2GB RAM

## Power

- 802.3af SPPoE, 15.4 W
- 802.3at PoE, 25.5 W
- 110-220 V AC, 50-60 Hz, 30 W

## Physical

- W: 26.1 cm (10.3")
- D: 28.3 cm (11.1") with display horizontal
- H: 22.2 cm (8.7") with display upright
- Weight: 1.6 kg (3.5 lb) without power supply
- 1.8 kg (4.0 lb) with power supply

## Environmental

- Operating temperature: 0°C to 40°C (32°F to 104°F)
- Relative humidity: 10% to 90% non-condensing

## Connectivity

### Ethernet

- 10 / 100 / 1000 mbps LAN
- 10 / 100 / 1000 mbps PC

### WiFi

- IEEE 802.11 a / b / g / n
- Dual frequency (2.4 GHz and 5 GHz)

### Bluetooth

- 4.0, Headset Profile (HSP)
- Keyboard and mouse (HID) Profile

### Network Protocols

- SIP
- DHCP
- DNS
- LLDP
- UDP
- TCP
- TLS
- HTTP / HTTPS
- RTP / SRTP
- RTCP / SRTCP
- NTP
- 802.1x
- VLAN
- 802.1p Layer 2 QoS
- DSCP Layer 3 QoS

## Security

- Wired network 802.1x EAP-TLS
- WiFi network, WEP WPA / WPA2 PSK EAP-PEAP (MSCHAPV2, GTC) EAP-TLS EAP-TTLS (MSCHAP, MSCHAPV2, GTC), EAP-PWD
- Data Encryption HTTPS file download Exchange ActiveSync with HTTPS HTTPS browser support
- Avaya Aura SIP AES-256 encryption
- Secure remote SIP connectivity with Avaya Session Border Controller for Enterprise (Avaya SBCE)

## Media

### Video

- H.264 High Profile, H.264 AVC Baseline
- Adaptation of incoming bit rate to video window size saving bandwidth
- Video encoding formats HD 1080p (1920 x 1080) HD 720p (1280 x 720) 480p (848 x 480) 360p (640 x 360) 240p (416 x 240)

### Audio

- G.711, G.722, G.726, G.729a, G.729ab

### HDMI Output Formats

- 1920 x 1200 (WUXGA)
- 1920 x 1080 (HD 1080)
- 1600 x 900 (HD+)
- 1366 x 768
- 1280 x 1024 (SXGA)
- 1280 x 800 (WXGA)
- 1280 x 768 (WXGA)
- 1280 x 720 (HD 720)
- 1024 x 768 (XGA)
- 800 x 600 (SVGA)



## Software and Applications

### User Interface

- Enhanced user interface shared with Avaya Communicator 2.0
- Integration with Contacts and Calendar
- Arabic, Chinese, English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish

### Conferencing and Telephony

- Full feature support with Avaya Aura SIP-AST
- Compatible with IP Office 10.0
- Feature parity with 96x1 SIP 6.3 Avaya endpoints (not including Contact Center features)
- Advanced call management-call forwarding, transfer, park, bridged call appearances
- History for all calls, also shows calling and called parties for bridged or forwarded calls
- Status bar summary (missed calls, voice mail, EC500) and one-touch access to more information
- Customized ringtones for calling and called party ID
- Voicemail management
- Audio and video conferencing with Avaya Aura Conferencing and Scopia Video Conferencing
- Roster conference control with Avaya Aura and Scopia solutions
- VPN-less remote worker support with Avaya Session Border Controller
- Available redundancy support and protection against network outages

### Contacts

- Avaya Aura directory search
- Manage and synchronize contacts from Microsoft Exchange Server
- Supports up to 5,000 total contacts: 250 local; 5,000 Microsoft Exchange Server

### Presence

- Presence status with Avaya Aura Presence Services

### Calendar

- Synchronized with Microsoft Exchange Server
- Embedded click-to-dial including bridge access codes

### Video Kiosk Mode

- Kiosk deployment mode enables users to reach out to “experts”
- Customizable idle-screen can display company brand or promotional video clip
- HDMI out for connection to larger kiosk display
- Customizable lock screen for call initiation
- Phone lock disabling for ease-of-use
- Video as default session mode

### Additional Applications

- Web Browser (HTML5) with embedded click-to-dial
- Calculator with simple and scientific calculations and conversions
- Clock with alarms
- Gallery application to manage media files
- Lock Collaboration Station screen
- Context-sensitive help





**The Detachable HD Camera Can Be Easily Mounted Separately on External Displays, and Is Adjustable for Optimal Eye Level Positioning.**

**H175 Video Collaboration Station Models**

H175 Video Collaboration Station with Cordless Handset Includes: H175, cordless DECT handset, HD video camera, 2 m (72”) camera cable, and Ethernet cable

H175 Video Collaboration Station with Analog Handset (must be used for installation in China, India, Korea, Taiwan and other countries that do not support DECT, available world-wide)  
Includes: H175, analog handset with cord, HD video camera, 2 m (72”) camera cable, and Ethernet cable

H100 Series Power Supply (region specific power cords required)

**Accessories**

H100 Series HD Video Camera

H100 Series 2 m (72”) Camera Cable

H100 Series Cordless DECT Handset

H100 Series Wired Analog Handset

H100 Series Analog Handset Cord

**About Avaya**

Businesses are built on the experiences they provide and every day millions of those experiences are built by Avaya (NYSE:AVYA). For over one hundred years, we’ve enabled organizations around the globe to win—by creating intelligent communications experiences for customers and employees. Avaya builds open, converged and innovative solutions to enhance and simplify communications and collaboration—in the cloud, on premise, or a hybrid of both. To grow your business, we’re committed to innovation, partnership, and a relentless focus on what’s next. We’re the technology company you trust to help you deliver Experiences that Matter. Visit us at [www.avaya.com](http://www.avaya.com).

