Video

WebEx Meeting Center, Training Center, and Support Center have high-definition video capability. WebEx Meeting Center, Event Center, Training Center, and Support Center continue to support high-quality video.

For detailed instructions on using WebEx video, see the user guide on the Support page of your WebEx service site.

What's New?

WBS28.8

High-definition video support in full-screen views

Starting with WBS28.4, WebEx Meeting Center and WebEx Training Center users can send and receive high-definition (HD) 720p video in both expanded full-screen view and full-screen view. Previously, high-definition video was available only in expanded full-screen view. Both views now support high-definition video. For additional details on bandwidth consumption, high-definition video system requirements and administrator options for allowing and not allowing HD video for your site, see the Cisco WebEx Network Bandwidth white paper at http://www.cisco.com/en/US/prod/collateral/ps10352/ps10362/ps10409/white_paper_c11-691351.pdf.

Increased USB camera compatibility

WBS28.7 adds increased support for one existing MJPEG color-space (I420) and adds support for another (YUV422) with corresponding increases to the number of USB video cameras that WebEx Meeting Center, Events Center, and Training Center support.

High-definition video decode offloading to GPU

Starting with WBS28.4, supported GPU chipsets can offload decode processing from the host CPU.

Cisco Medianet integration

Starting with WBS28.4, metadata support was added for making the network aware of the five WebEx media flows.

High-Definition Video Features

Feature	Description	Meeting Center	Event Center	Training Center	Support Center
Up to high-definition resolution (720p)	Video resolution can go up to high-definition 720p resolution (1280x720).	Yes	No	Yes	No
Up to high-quality resolution (360p)	Video resolution can go up to high-quality 360p resolution (640x360).	Yes	Yes	Yes	Yes
Full-screen video view	Full-screen video view with high-definition or high-quality video display (depending on monitor size) and five video thumbnails.	Yes	Yes	Yes	Yes (but does not include video thumbnails)
Expanded full-screen video view	Expand the active speaker to the whole screen, which also allows high-definition video to be received.	Yes	Yes (Expanded full-screen view without high-definition video)	Yes	No

Feature	Description	Meeting Center	Event Center	Training Center	Support Center
Active speaker video display in full-screen sharing view	Floating active speaker video display when sharing in full-screen view.	Yes	Yes	Yes	In full-screen view, the CSR views video in a separate panel; the customer views video in an embedded area of the customer console.
Video self-view in full-screen sharing view	View self-view video in the main video display when sharing in full-screen view. Start or stop sending video from the self-view video window.	Yes	Yes	Yes	No
Active speaker switching	Automatic video switching to the loudest active speaker.	Yes	Yes	Yes	No
Video thumbnails	Video-based participant list with video thumbnails.	Yes	Yes	Yes	No
Auto-adjust Video	Automatic configuration of participants' video quality according to available network bandwidth.	Yes	Yes	Yes	Yes
Camera hot plug-in	Attendees can connect and switch web cams while in a meeting.	Yes	Yes	Yes	Yes

Feature	Description	Meeting Center	Event Center	Training Center	Support Center
Lock video	Presenter can determine whose video will be displayed to all participants.	Yes	Yes	Yes	No
High-definition video decode offloading to GPU	Supported GPU chipsets can offload decode processing from the host CPU.	Yes	No	No	No

Cisco Medianet Integration—Performance Monitoring Support with Network Management Systems

Starting with WBS28.4, when on a Cisco network, Cisco Medianet supports real-time, end-to-end data collection and monitoring of performance on delay- and loss-sensitive WebEx video media streams and VoIP audio streams, by using a Cisco partner Network Management System (provided the Network Management System supports the Medianet MSI 3.1.1 REST API), directly from users' machines that have the WebEx Meeting Center application installed. See http://www.cisco.com/go/medianet for more information.

Using the Cisco Medianet Performance Monitoring functionality with WebEx on a Cisco network, a network administrator can easily see, understand, and report whether individual users are having acceptable media experiences or not; for example, whether their sessions are experiencing latency, jitter, or packet loss, even before they call in to report issues. With Performance Monitoring using Medianet, network administrators can gain greater visibility into what is going on in their Medianet-enabled network, and the rich-media experience it is providing their users. Cisco Medianet makes your network smarter and more media aware.

Requirements

WebEx video works with any computer that complies with the standard Meeting Center, Training Center, or Support Center requirements. To be able to reach the video resolution of 360p, PCs must meet the following minimum requirements:

- CPU: Dual-core processor

- RAM: 1 GB RAM

- Camera: a high-quality video supported USB-based web camera (see list in High-Quality Video Supported Cameras.)

To be able to send high-definition video (720p), PCs must meet the following minimum requirements:

- CPU: Quad-core processor (three or more meeting participants), Dual-core processor (two meeting participants).

- RAM: 2 GB RAM

- Camera: a high-definition video supported USB-based web camera (see list in High-Definition Video Supported Cameras.)

To be able to receive high-definition video (720p), PCs must meet the following minimum requirements:

- CPU: Dual-core processor

- RAM: 2 GB RAM

To offload video decoding processing to the client's GPU for 720p, any of the following GPU chipsets are required:

- Windows(DXVA):

    - NVIDIA GeForce 9800GT

    - NVIDIA GeForce GT 430

    - NVIDIA GeForce GTS 450

    - NVIDIA GeForce GTX 275

    - NVIDIA GeForce GTX460

    - NVIDIA GeForce GTX560

    - NVIDIA GeForce GTX560Ti

    - NVIDIA GeForce GT520

    - ATI Radeon HD 6950

- Mac OS X(VDA):

    - NVIDIA GeForce9400M

    - NVIDIA GeForce320M

- NVIDIA GeForce330M

High-Quality Video Supported Cameras

Most PC-compatible cameras should work with WebEx. The following cameras were tested by WebEx for high-quality video:

- Cisco VT Camera II

- Cisco VT Camera III

- Cisco Precision HD

- Logitech HD Webcam C920

- Logitech Quick Cam Pro 9000

- Logitech QuickCam Orbit AF

- Logitech QuickCam C905

- Logitech QuickCam S7500

- Logitech HD Pro Webcam C910

- Microsoft LifeCam HD

- Microsoft LifeCam VX-1000

- Microsoft LifeCam Cinema

- Microsoft LifeCam VX-6000

- Microsoft LifeCam NX-6000

- Microsoft LifeCam VX-3000

High-Definition Video Supported Cameras

The following cameras were tested by WebEx for high-definition video:

- Logitech HD Webcam C310

- Logitech HD Webcam C500

- Logitech HD Webcam C510

- Logitech HD Webcam C905/B905

- Logitech HD Pro Webcam C910/B910

- Logitech HD Webcam C920

- Microsoft LifeCam HD-5000/HD-5001

- Microsoft LifeCam HD-6000

- Microsoft LifeCam Cinema

- Microsoft LifeCam Studio

- Cisco Precision HD

- Cisco VT Camera III

- Apple iSight HD

Known Issues and Limitations

This section contains known issues and limitations that affect WebEx integrated video. For more information about the browsers, operating systems, supported by WebEx, and known issues that affect other WebEx services, see Cross-platform Features and Known Issues.

High-definition video

High-definition video is automatically turned off during application, desktop, and streaming media sharing. It is automatically turned on again when those functions end.
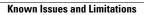
Medianet and IPv6 support

Although the WebEx application supports IPv6, Medianet and metadata support only IPv4 addresses at this time. Support for IPv6 will be added in a future release.

Streaming media in Event Center stops presenter's video

In Event Center, playing video from a file and sharing it with all participants requires stopping the presenter's video camera. The presenter can send only one video stream at a time. The presenter's video camera can be turned back on again once he or she has finished streaming the file or media.

This limitation has been added to protect subscribers from bandwidth issues that could result from a spike in video traffic if multiple non-thumbnail video streams are sent to a large group of participants. The limitation is expected to be removed in the future.