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.

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What's New?

High-Definition Video Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
<th>Meeting Center</th>
<th>Event Center</th>
<th>Training Center</th>
<th>Support Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to high-definition resolution (720p)</td>
<td>Video resolution can go up to high-definition 720p resolution (1280x720).</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Feature</td>
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<td>Meeting Center</td>
<td>Event Center</td>
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</tr>
<tr>
<td>Up to high-quality resolution (360p)</td>
<td>Video resolution can go up to high-quality 360p resolution (640x360).</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Full-screen video view</td>
<td>Full-screen video view with high-definition or high-quality video display (depending on monitor size) and five video thumbnails.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes (but does not include video thumbnails)</td>
</tr>
<tr>
<td>Expanded full-screen video view</td>
<td>Expand the active speaker to the whole screen, which also allows high-definition video to be received.</td>
<td>Yes</td>
<td>Yes (Expanded full-screen view without high-definition video)</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Active speaker video display in full-screen sharing view</td>
<td>Floating active speaker video display when sharing in full-screen view.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Video self-view in full-screen sharing view</td>
<td>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.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Feature</td>
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</tr>
<tr>
<td>Active speaker switching</td>
<td>Automatic video switching to the loudest active speaker.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Video thumbnails</td>
<td>Video-based participant list with video thumbnails.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Auto-adjust Video</td>
<td>Automatic configuration of participants' video quality according to available network bandwidth.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Camera hot plug-in</td>
<td>Attendees can connect and switch web cams while in a meeting.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Lock video</td>
<td>Presenter can determine whose video will be displayed to all participants.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>High-definition video decode offloading to GPU</td>
<td>Supported GPU chipsets can offload decode processing from the host CPU.</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**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
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
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.