

5 Smart Ways Webex Does Great Video from Home

People are working remotely from home and other locations more than ever. There's nothing like rich, high-definition video to make you feel like you're actually there.

For a truly video-first experience, you need a solution that intelligently adapts to maintain good quality even when network conditions degrade. Webex Meetings does just that.

Dynamically optimize grid view in low bandwidth

Focus on the "region of interest" - You!

Smooth and high-resolution video even under extreme packet loss

Webex in hi-fi

Dropping frames to maintain HD quality

Let's look at five ways Webex Meetings gives you a great experience even when your network does not.



1

Dynamically optimize grid view in low bandwidth

Seeing everyone on a call is a great thing—Webex shows you up to 25 participants on a 5x5 grid. But if bandwidth drops, multiple video feeds can freeze, even start flashing or switching off. Highly distracting!

The Webex advantage

Webex Meetings monitors conferencing conditions nonstop—and applies intelligence to adapt to network and CPU performance. **If Picture-in-Picture (PIP) displays start shutting down, it adjusts the video layout to deliver as many streams as possible in a stable way.**

If things get worse, Webex automatically shrinks the grid size to eliminate video feeds with poor bandwidth. No more distractions.

Webex dynamically delivers **best video streams based on your network**



2 Focus on the “region of interest” – You!

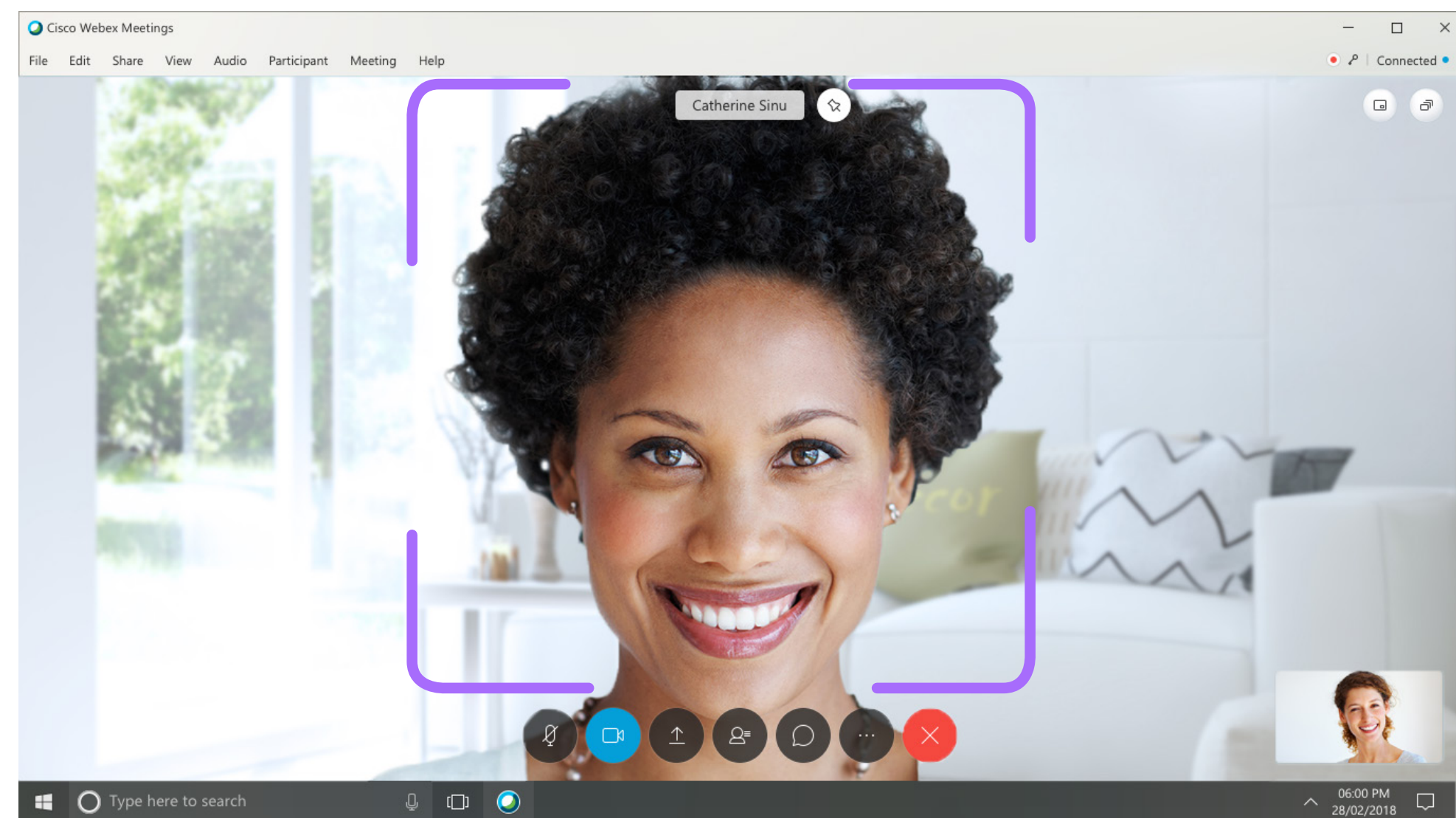
In poor bandwidth situations, video that is below 720p quality can look fuzzy and blocky, all across the frame. It’s hard to work together if you can’t see the person on the other end.

The Webex advantage

Webex Meetings up levels quality even under the toughest network conditions.

Focusing on what’s important

Using region of interest-based encoding, it focuses on rendering the most important part of the video—the person’s face—with sharper detail in the region of interest.



3

Smooth and high-resolution video even under extreme packet loss

Real-time video is highly latency-sensitive, and any packet loss can impact quality. At 50% packet loss, video freezes, drops in resolution, or even disappears completely.

The Webex advantage

To power through extreme packet loss, Webex Meetings uses adaptive media resilience tools to cope with even the most challenging network environments.

You'll get smooth, 720p quality even during poor network conditions.



**Smooth,
720p quality**

4

Webex in hi-fi



Clear, warm, rich
sound quality

People don't expect to have a spectacular experience when they play a great audio track in a video conference, but why not?

The Webex advantage

Even audiophiles will be impressed by Webex's immersive sound quality. **By turning off noise suppression and adapting other parts of the audio pipeline, it lets people experience clear, warm, rich sound quality.**

So go ahead and play Mozart in your next call or virtual music class.

5 Dropping frames to maintain HD quality

Sometimes network conditions degrade just for a moment. But there's no need for a few bumps in the road to downgrade video quality from 720p to 360p.

The Webex advantage

If your network starts to stumble, Webex Meetings steps in to reduce frame rate just enough—so you'll never know it—while keeping image quality high.

It will drop you down to 360p only if poor network conditions persist.

Keeping image quality up



Redefining what's possible in video collaboration

The latest enhancements to Webex Meetings have powered real advances in video and audio quality. We're proud to say that they have improved performance for more than 98% of all Webex meeting minutes with low quality video or audio resolution.

Innovation never stops at Cisco, and we're continuing to advance media quality to be smarter and more adaptive, to keep pace with changing demands.

If you'd like to learn more about how Cisco Webex Meetings can help you unlock new possibilities in video collaboration, visit

[Webex.com](https://www.webex.com)

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