

Cisco Unified Video Advantage 2.1

Cisco® Unified Video Advantage lets Cisco Unified IP phone users add video to their communications experience. With Cisco Unified Video Advantage, video telephony is as easy as a phone call.

Cisco Unified Communications Solutions unify voice, video, data, and mobile applications on fixed and mobile networks, delivering a media-rich collaboration experience across business, government agency, and institutional workspaces. These applications use the network as the platform to enhance comparative advantage by accelerating decision time and reducing transaction time. The security, resilience, and scalability of the network help users in any workspace to easily connect every time, everywhere, using any media, device, or operating system. Cisco Unified Communications is part of a comprehensive solution that includes network infrastructure, security, wireless, management applications, lifecycle services, flexible deployment and outsourced management options, and third-party applications.

Interactive Face-to-Face Communications

Cisco Unified Video Advantage brings video telephony functions to Cisco Unified IP phones (Cisco Unified IP Phones 7900 Series and Cisco IP Communicator softphone application).

Figure 1. Cisco Unified Video Advantage



This video telephony solution consists of Cisco Unified Video Advantage software and Cisco VT Camera II, a video telephony universal-serial-bus (USB) camera. You can make calls from your Cisco Unified IP phone using the familiar phone interface, and calls are displayed with video on your PC without pushing any button or clicking your mouse.

When registered to Cisco Unified Communications Manager, the Cisco Unified Video Advantage-enabled phone has the features and functions of a full-featured IP videophone. It supports conversations on any video endpoint supported by Cisco Unified Communications Manager. System administrators can provision a Cisco Unified IP phone with Cisco Unified Video Advantage just as they would any other Cisco Unified IP phone, greatly simplifying deployment and management. Enterprise customers now have a cost-effective, scalable, and visually interactive IP communications solution.

Important Features and Benefits

Cisco Unified Video Advantage is innovative in that video telephone calls are just like regular phone calls. Features such as Call Forward, Transfer, Conference, and Hold are now available with video, and they are all initiated through the Cisco Unified IP phone. IP telephony and IP video telephony are delivered to every employee using a unified dial plan and a common directory over a single Cisco Unified Communications infrastructure.

The video codec and bandwidth selection in Cisco Unified Video Advantage is completely controlled by Cisco Unified Communications Manager or Cisco Unified Communications Manager Express, so you need no special experience or knowledge about video capabilities or settings. You no longer need to predetermine if the other end of the call is a video endpoint or phone.

Enabling interactive face-to-face communications at the desktop enhances productivity and the quality of communications, streamlines business decision making, and improves teamwork. By reducing the need for in-person meetings, Cisco Unified Video Advantage can help your company save money on travel expenses, strengthen an existing telecommuting program, or reduce your organization's carbon footprint in traveling to meetings (see figure 2). Cisco Unified Video Advantage is designed to deliver enhanced modes of communication while protecting existing unified communications investments.

Figure 2. Local and Remote Views





Optimized Business Communications

Cisco Unified Video Advantage features the latest technology and advancements available with true IP communications today. You can now take full advantage of your IP network to extend enterprise-class voice and video to everyone in your organization. This dynamic solution is designed to grow with new system capabilities.

Cisco Unified Video Advantage Features

Cisco Unified Video Advantage is intuitively designed and easy to use, and it delivers convenient access to a host of features:

- Phone association choice: You can place Cisco Unified Video Advantage video calls with either a Cisco Unified IP phone or Cisco IP Communicator.
- Camera on and off: You can opt to "receive only" by disabling your camera.
- Video preview: You can check your video before placing or receiving calls.
- Video confirmation: You can optionally enable confirmation before sending a video.
- Mute video on audio mute option: When you mute the audio on the phone, video is automatically muted until you resume the audio.
- Easy access to video controls: Controls for showing the console, video window options, and video window position are conveniently available from the video windows.
- Video signal indicators: Quality of incoming and outgoing video signals is graphically displayed (see figure 1).
- Connectivity and status indicators: Graphics indicate the state and availability of the connections to the associated phone device and camera, including muted calls and "no available video."

Figure 3. Cisco Unified Video Advantage Console



Video Features

- H.263 and H.264 video codecs: Bit rates from 50 kbps to 1.5 Mbps
- Video formats (up to 30 frames per second): 352 x 288, 320 x 240, 176 x 144, and 160 x 120
- Interoperable with most third-party H.323 video terminals from verified IP video telephony partners

Minimum Computer Requirements for Use with Microsoft Windows 2000 or Windows XP

- Microsoft Windows 2000 Professional (Service Pack 4) or Windows XP Professional (Service Pack 2)
- Pentium P4 2.4-GHz or later compatible processor (Streaming Single Instruction Multiple Data [SIMD] Extensions support required); P4 2.8 GHz or higher recommended
- 256-MB RAM minimum; 512-MB RAM or more recommended
- 200-MB free disk space
- Video-capable graphics card at 800 x 600 x 16-bit screen resolution, 1024 x 768 x 16-bit or better recommended
- USB 1.1 or 2.0 (Windows 2000 supports full-speed only)
 - Cisco VT Camera II or third-party USB cameras

Minimum Computer Requirements for Use with Microsoft Vista

- Microsoft Vista Business Edition or Enterprise Edition
 - A Windows Vista Premium Ready PC with a Windows experience index of 3 or higher; refer to the Microsoft Website for more information about running Microsoft Vista
 - USB 2.0

Minimum System Requirements

- Cisco Unified Communications Manager, Releases 4.x, 5.1, 6.0 and 6.1.

For H.264 codec support, Cisco Unified Communications Manager Release 4.1(3) or higher is required.

- PC with Cisco Unified Video Advantage connected to the access ports of video-enabled Cisco Unified IP phones*:
 - Cisco Unified IP Phone 7940 Series
 - Cisco Unified IP Phone 7960 Series
 - Cisco Unified IP Phone 7970 Series

- Cisco IP Communicator 2.0 or 2.1 required when using Cisco Unified Video Advantage associated with Cisco IP Communicator

*Cisco Unified Video Advantage is supported on Cisco IP Communicator and on all video-enabled Cisco Unified IP Phones running the SCCP protocol and firmware which supports video. Cisco Unified Video Advantage is not supported on Cisco Unified IP Phones running the SIP protocol. The phone must be CDP and CAST capable. Check Cisco Unified IP Phone data sheets and release notes for updated Cisco Unified Video Advantage support information.

Cisco VT Camera II Specifications

You can enhance communications, simplify installation, and reduce administrative support requirements with the included Cisco VT Camera II (see figure 4); its specifications follow:

- 640 x 480 Video Graphics Array (VGA) sensor for improved video quality
- Fixed focus
- USB 2.0-compliant interface with 6-foot cable
- Privacy shade included
- Versatile base that allows camera to be mounted on a flat panel display or positioned on a flat surface
- Restriction of Hazardous Substances (RoHS)-compliant

Figure 4. Cisco VT Camera II



Cisco VT Camera II Compliance and Safety

Table 1 lists Cisco VT Camera II compliance and safety specifications.

Table 1. Cisco VT Camera II Compliance and Safety Specifications

Specification	Description
Regulatory compliance	CE Marking indicating compliance with the 89/366/EEC and 73/23/EEC directives, which includes the following safety and EMC standards:
Safety UL	<ul style="list-style-type: none"> • UL 60950 • CAN/CSA-C22.2 No. 60950 • EN 60950 • IEC 60950 • AS/NZS 60950

EMC	<ul style="list-style-type: none"> • FCC Part 15 (CFR 47) Class B • ICES-003 Class B • EN55022 Class B • CISPR22 Class B • AS/NZS CISPR22 Class B • CISPR24 • VCCI Class B • EN55024 • EN50082-1 • EN61000-6-1 • EN61000-3-2 • EN61000-3-3
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Table 2 lists ordering information for Cisco Unified Video Advantage.

Table 2. Ordering Information for Cisco Unified Video Advantage

Description	Part Number
Cisco Unified Video Advantage with Cisco VT Camera II	CUVA-V2=
Cisco Unified Video Advantage and VT Camera II 24-Unit Pack	CUVA-V2-24BUN=
Cisco Unified Video Advantage 2.x - Software Only	CUVA-SW-2.X

Note: With orders that include the Cisco VT Camera II, you will receive a Cisco VT Camera II kit.

Cisco Unified Communications Services

Cisco and its certified partners can help you deploy a secure, resilient Cisco Unified Communications Solution, meeting aggressive deployment schedules and accelerating business advantage. Cisco's portfolio of services is based on proven methodologies for unifying voice, video, data, and mobile applications on fixed and mobile networks.

Cisco's unique lifecycle approach to services defines the requisite activities at each phase of the solution lifecycle. Customized planning and design services focus on creating a solution that meets your business needs. Award-winning technical support increases operational efficiency. Remote-management services simplify day-to-day operations, and optimization services enhance solution performance as your business needs change.