



Q&A

Cisco Unified Video Advantage

Q. What is Cisco Unified Video Advantage?

A. Cisco® Unified Video Advantage is a personal video telephony solution that allows users to place and receive video calls at their desktop. Cisco Unified Video Advantage consists of the Cisco Unified Video Advantage software and the Cisco VT Camera II, a video telephony USB camera that connects to a PC. Users can then make calls from their Cisco Unified IP phones using the familiar phone interface, and without the need for any additional key presses or mouse clicks, calls are displayed with video on the PC.

Q. What differentiates Cisco Unified Video Advantage from other PC video telephony products?

A. With Cisco Unified Video Advantage, video calls are as easy to make as telephone calls, without the complications of room videoconferencing systems or the need to press PC keys or click the mouse. Other benefits include the following:

- Cisco Unified Video Advantage provides a consistent user experience for both voice and video.
- Audio comes through the Cisco Unified IP phone.
- Call features such as call forwarding, call transfer, conference, hold, and mute are available with video and are all activated through the phone.
- Users do not need to predetermine whether the other end of a call is a video terminal or a phone, increasing call completion rates and therefore increasing productivity.
- Cisco Unified CallManager controls the calls; the user does not need any special experience or knowledge about video capabilities or settings.
- Cisco Unified Video Advantage associates the phone with the PC, allowing users to talk on the phone as they normally would and view video through their PC.
- Cisco Unified Video Advantage provides easy-to-use, high-quality video at a low cost.

Q. What are the primary benefits of Cisco Unified Video Advantage?

A. The benefits of Cisco Unified Video Advantage include the following:

- Simple to use—Video telephony is now just a phone call. When connected to Cisco Unified CallManager, Cisco Unified Video Advantage offers the functions of a full-featured Cisco Unified IP Phone. Video telephony calls are placed and received just like regular phone calls. A single directory can be used to call both audio and video telephony endpoints.
- Enhanced productivity and streamlined business decision making—Allowing interactive face-to-face communications at the desktop across an enterprise enhances productivity and the quality of communications, streamlines business decisionmaking, and improves teamwork. By reducing the need for in-person meetings, Cisco Unified Video Advantage helps companies save time and money on travel and other costs associated with attending meetings.
- Future-proof investment—Cisco Unified Video Advantage uses the existing IP telephony equipment, data network, and applications, extending the capabilities of the customer's Cisco Unified IP phones by providing video telephony functions and thus protecting existing telephony investments.

Q. What customers would benefit most from Cisco Unified Video Advantage?

A. Customers who would benefit most from Cisco Unified Advantage are multisite , geographically distributed customers who want the capability to communicate face to face with people at branch or remote offices, who have converged networks for increased productivity and reduced costs, and who want to use an existing installed base of Cisco Unified IP phones.

Q. Which Cisco Unified IP phones does Cisco Unified Video Advantage work with?

A. Cisco Unified Video Advantage supports the Cisco Unified IP Phone 7940G, 7941G, 7960G, 7961G, 7970G, and 7971G models as well as Cisco IP Communicator, using the correct software load.

Q. Does the PC need to be directly connected to the Cisco Unified IP phone?

A. Yes. For the video association to take place, the PC must be directly connected to the PC port on the back of the appropriate video-enabled Cisco Unified IP phone.

Q. What release of Cisco Unified CallManager is required?

A. The following releases can be used:

- Cisco Unified CallManager Release 4.0(1) Service Release 2a
- Cisco Unified CallManager Release 4.1(3) Service Release 1 required when using Cisco Unified Video Advantage with H.264 and Cisco IP Communicator
- Cisco Unified CallManager Express (CME) 4.0

Q. Can Cisco Unified Video Advantage operate together with Cisco IP Communicator to support video and audio calls on a PC without a Cisco Unified IP Phone?

A. Yes. Cisco IP Communicator Version 2.0 is required.

AVAILABILITY, PRICING, AND ORDERING

Q. When can I order Cisco Unified Video Advantage?

A. Cisco Unified Video Advantage can be ordered now from Cisco Systems®.

Q. What is the list price?

A. The list price for Cisco Unified Video Advantage with the Cisco VT Camera II is US\$160.

Q. What items are included in the list price?

A. The list price includes the Cisco Unified Video Advantage software and license and the Cisco VT Camera II.

Q. How do I order Cisco Unified Video Advantage?

A. Order on Cisco.com. Table 1 lists the part number.

Table 1. Cisco Unified Video Advantage

Description	Part Number
Cisco Unified Video Advantage software and camera.	CUVA-V2=

FEATURES AND FUNCTIONALITY

Q. What are the minimum computer requirements?

A. The minimum PC requirements follow:

WITH H.263 VIDEO ONLY

- Microsoft Windows 2000 Professional (Service Pack 4) or Windows XP Professional (Service Pack 2)
- Pentium P4 1.9-GHz or higher compatible processor (Streaming Single Instruction, Multiple Data [SIMD] Extensions support required); 2.8 GHz or higher recommended
- 256-MB RAM minimum; 512 MB RAM or more recommended
- 100-MB free disk space
- Video-capable graphics card with 800 x 600 16-bit screen resolution; 1024 x 768 16-bit or better recommended
- USB 1.1 or 2.0 (Windows 2000 supports full speed only)

WITH CISCO IP COMMUNICATOR AND H.264 VIDEO

- Microsoft Windows 2000 Professional (Service Pack 4) or Windows XP Professional (Service Pack 2)
- Pentium P4 2.4-GHz or higher compatible processor (Streaming SIMD Extensions support required); 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 with 800 x 600 16-bit screen resolution; 1024 x 768 16-bit or better recommended
- USB 1.1 or 2.0 (Windows 2000 supports full speed only)

Q. Which Cisco Unified IP Phone features does Cisco Unified Video Advantage support?

A. Cisco Unified Video Advantage supports call transfer, conference, hold, mute, and call forwarding while the Cisco Unified Video Advantage application is operating. No special procedures are required; these telephony features work the same way as in a normal voice call.

Q. What video features are supported?

A. Cisco Unified Video Advantage supports the following features:

- Phone association choice—Users can place Cisco Unified Video Advantage video calls with either a Cisco Unified IP Phone or Cisco IP Communicator.
- Camera on and off control—Users can view incoming video without being viewed themselves by turning off their camera.
- Video check—Users can test their video before placing or receiving calls.
- Mute-video-on-audio-mute option—When users mute the audio on the phone, video is automatically paused until the audio is resumed.
- Easy access to video controls—Controls for displaying the console, choosing video window options, and positioning the video window are conveniently available in the video windows.
- Video signal indicators—Graphic indicators show the quality of incoming and outgoing video signals.

- Connectivity and status indicators—Graphic indicators show the state and availability of connections to the associated phone device and camera, including muted calls and “no available video.”
- Cameras and video formats—The following cameras and video formats are supported:
 - Cisco VT Camera and Cisco VT Camera II (Cisco Unified Video Advantage Release 2.0 and later) USB Webcams
 - H.263 and H.264 video codecs, 50-kbps to 1.5-Mbps bit rates
 - Video formats (up to 30 frames per second); 352 x 288, 320 x 240, 176 x 144, and 160 x 120 screen resolutions
 - Interoperable with most third-party H.323 video terminals from verified IP video telephony partners

Q. Can Cisco Unified Video Advantage call an H.323 endpoint?

A. Yes. Cisco Unified Video Advantage can call verified partner H.323 endpoints.

Q. Can Cisco Unified Video Advantage dial into a Skinny Client Control Protocol (SCCP) Multipoint Control Unit (MCU) conference?

A. Yes.

Q. Can the Cisco Unified Video Advantage dial into an H.323 MCU conference?

A. Yes.

Q. Can conference calls with video be placed using an IP phone equipped for Cisco Unified Video Advantage?

A. Yes. Cisco Unified Video Advantage can make both impromptu and scheduled conference calls in the same way as voice-only phone calls are made, provided that the network has MCUs installed and configured to support the conference call.

Q. What type of Conference Bridge is needed to facilitate video when making a multiparty conference call with a phone equipped for Cisco Unified Video Advantage?

A. A Cisco Unified Videoconferencing System 351X or 354X MCU is required to make video part of a multiparty conference call using Cisco Unified Video Advantage. If an MCU is not used, , the call will include only audio.

Q. When the Cisco Unified Video Advantage application starts, two video windows appear and then disappear a few seconds later. Is this normal?

A. Yes. The windows allow the end user to verify that video will be transmitted and received when a call is placed.

Q. What is the process for setting up a Cisco Unified IP Phone to allow video?

A. You set up a Cisco Unified IP Phone for video in the Phones section of the Cisco Unified CallManager Administration Device screen . Assuming the correct software load has been applied to the phone, scroll to the Video Capabilities box at the bottom of the phone configuration page. By default, this option is disabled. Make this option active and reset the phone to allow video. After the phone is reset, a camera icon appears at the lower right above the More soft key, indicating that the phone is set to support video.

Q. How does the application know that it is connected to a phone that is video enabled?

A. The Cisco Unified Video Advantage application and phone exchange Cisco Discovery Protocol messages.

Q. Does the Cisco VT Camera II support other applications?

A. No.

Q. Does the Cisco Unified Video Advantage application work with cameras other than the Cisco VT Camera II?

A. To avoid third-party Web camera support problems and simplify installation, at this time Cisco Unified Video Advantage works only with the Cisco VT Camera and VT Camera II. However, this approach may change in a future release. The Cisco VT Camera II has the following features:

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

FOR MORE INFORMATION

For more information about the Cisco Unified Video Advantage, visit <http://www.cisco.com/en/US/products/sw/voicesw/ps5662/index.html> or contact your local account representative.



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