



Cisco TelePresence VX Clinical Assistant

Firmware release notes V1.00

EDCS-1119441

D5060702

December 2011

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Document revision history

Revision	Date	Description
02	12/19/2011	Updated from feedback from Product Management
01	12/02/2011	Initial release of V1.00 release

Introduction firmware version V1.00

This release note describes the features and capabilities included in the Cisco TelePresence VX Clinical Assistant firmware version V1.00 released as of December 2011.

Note: Firmware version V1.00 applies to the WIL-A-001 and WIL-D-001 modules within the Cisco TelePresence VX Clinical Assistant and not the C20 codec. Cisco C20 software release notes can be located here:

http://www.cisco.com/en/US/partner/products/ps11422/prod_release_notes_list.html

System descriptions

Cisco TelePresence VX Clinical Assistant

The Cisco TelePresence VX Clinical Assistant brings the power of telepresence to healthcare environments. Designed for mobility and ease of use at the point of care, the VX Clinical Assistant is a high-definition video collaboration system with functionality that makes it ideal for medical environments.

- Lightweight and highly mobile with integrated industrial design to maximize durability and functionality in a medical environment.
- Cisco TelePresence C-Series codec featuring 1080p video, full-duplex audio, and Presentation sharing.
- Multiple video inputs of standard-definition and high-definition for video medical devices.
- 1080p HD camera with full pan-tilt-zoom (PTZ) capability and far-end camera control (FECC) - 4x zoom standard, 12x zoom optional.
- Camera mount that provides additional camera tilt for patients in hospital beds or wheelchairs.
- 24-inch 1080p HD LED backlit display with minimal power consumption.
- Tactile control panel offering simple system control with minimal training, plus infrared remote control.
- Both AC and rechargeable battery powered through medical-grade isolation transformer.
- Flexible range of storage module options for computers, medical devices, supplies, etc.



Figure 1: Cisco TelePresence VX Clinical Assistant

Note: The Cisco C20 codec requires software version TC5.0.0 or later for the VX Clinical Assistant. The Cisco C20 codec within the VX Clinical Assistant comes with the Dual Display option standard.

Features and functionality

Video

WIL-A-001 Module

The WIL-A-001 (A = Analog) module within the VX Clinical Assistant is the main control module. This module supports, serial communication to the Cisco C20 codec, video switching of SD inputs, audio amplifier for speakers, communication and power to the WIL-D-001 module. This module is where firmware version V1.00 is loaded, to USB Port 1.

The WIL-A-001 supports:

- 3 x S-Video inputs
- 3 x Composite inputs
- 1 x Composite output
- 2 x USB ports, Type A
- 1 x USB port, Type B

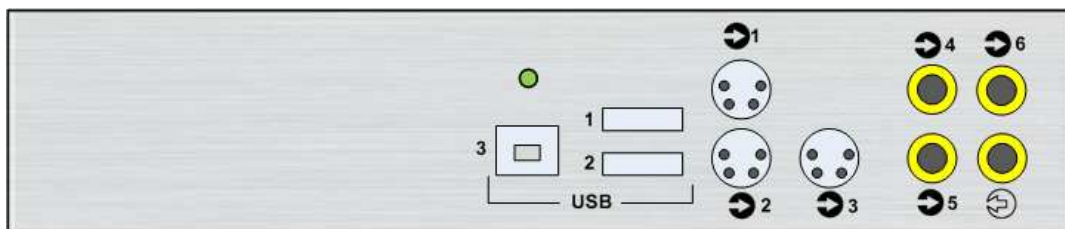


Figure 2: rear view WIL-A-001 Module

Note: The composite output will only display S-Video and composite inputs. No HD or PC video will be displayed from this output.

WIL-D-001 Module

The WIL-D-001 (D = Digital) module within the VX Clinical Assistant is a HD video switcher and scalar. This module allows switching to any of the 4 HD inputs, scales the S-Video and composite video signals to 1080p, connection of the PC audio and connection of the second microphone.

The WIL-D-001 supports:

- 2 x HDMI inputs
- 1 x DVI-I inputs (integrated analog and digital video)
- 1 x DVI-I with 3.5mm (3 pin) audio input for a computer
- 1 x 3.5mm (4 pin) jack for a second microphone, the Cisco Performance Mic 20



Figure 3: rear view WIL-D-001 Module

VGA Auto Adjustment (analog)

Auto adjustment feature will automatically adjust the VGA video displayed on the VX Clinical Assistant to center the image on the screen, which is to prevent any video shift, a common problem with VGA signals. This feature can also be manually triggered by pressing input source button 3 or PC once from the tactile interface while the PC is connected.

Note: The Auto Adjustment feature is only supported with VGA (analog) video.

Control

Tactile interface

The tactile interface allows for basic local user controls, raising or lowering the volume, moving and zooming the camera, video layout selection, and video source selections.

The source buttons 1 to 5 and PC corresponds with the video inputs on the back of the systems. Video sources 1, 2, 3, and PC support both HD \ PC and SD inputs. All digital and PC video signals have priority over SD video signals (S-Video and composite) and will automatically look for these signals and then fall back to SD. The user has the ability to switch between the HD \ PC and SD inputs by pressing and holding down the source button for 3 seconds.

Video Source	Video Inputs
Main Camera	Camera connected directly to C20 with HDMI
1	HDMI 1 or S-Video 1 (if HD source not connected)
2	HDMI 2 or S-Video 2 (if HD source not connected)
3	DVI-I 3 or S-Video 3 (if HD source not connected)
4	Composite 4 (RCA)
5	Composite 5 (RCA)
PC	DVI-I PC or Composite 6 (RCA)

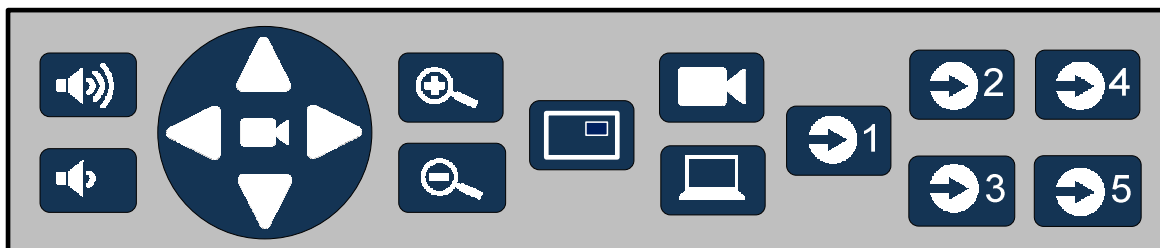
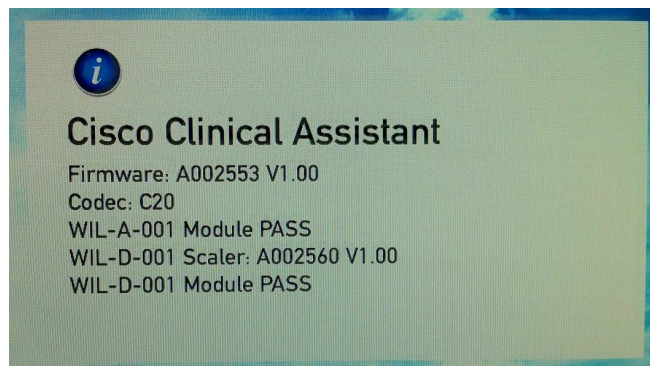


Figure 4: Tactile Interface

The WIL-A/D-001 status information and firmware version can be displayed by pressing and holding the main camera button for 3 second.



This shows:

Firmware Version in the WIL-A-001
 Codec Model
 WIL-A-001 Module internal diagnostic result
 WIL-D-001 Scaler firmware version
 WIL-D-001 Module internal diagnostic result

Note: The tactile buttons press and hold features are not support with the IR remote control.
 Far end camera control (FECC) is not support from the tactile interface.

Known limitations

VX Clinical Assistant

Reference ID	Equipment	Summary
123664	WIL-A/D-001 Ver. V1.00	HD \ PC video source can display scrolling colored lines in the right hand side of the screen. Workaround: Unplug and plug in the video cable.
124021	WIL-A/D-001 Ver. V1.00 iPad Ver, 5.0.1	The VGA Auto Adjustment can go into a loop with the iPad 2 when held vertically.
123665	WIL-A/D-001 Ver. V1.00 iMac OS X (10.4.11)	The resolutions of 720p@60 and 1080p@60 from an iMac are displayed as scrambled video.
118994	WIL-A/D-001 Ver. V1.00	Custom soft button labels do not currently support special characters for different languages.
122927	WIL-A/D-001 Ver. V1.00	PAL N video displays as scrolling colored lines.
120042	WIL-A/D-001 Ver. V1.00	The splash cover rod mountings plate should be ½" wider as this could interfere with the PrecisionHD 12x 1080p camera.
120036	WIL-A/D-001 Ver. V1.00	The optional drawer opens ½" when locked and the lock hits the edge of the drawer.
122717	WIL-A/D-001 Ver. V1.00	On call disconnection the button LED's do not correctly reflect the system status. This only occurs after a call has been made to a system that does not support H.239 (dual video streams) and the video source selected was not the main camera.

Interoperability


The devices below have been tested with this release and are representative of the peripheral devices that are interoperable with the VX Clinical Assistant. This release is verified for use with peripheral audio/video devices that can connect to the standard audio/video inputs provided on the system.

Cameras

Equipment	Camera Picture	Comments
AMD-2500, NTSC PAL		S-Video inputs 1, 2, 3. Composite inputs (RCA) 4, 5, 6.
AMD-500 NTSC		S-Video inputs 3, 4, 5 Composite inputs (RCA) 4, 5, 6. DVI-D input 3 and PC. HDMI input 1 and 2 with DVI-D to HDMI adapter.
Cisco PrecisionHD 1080p 4x		HDMI inputs 1 and 2. DVI-D inputs 3 and PC with HDMI to DVI-D adapter.
Cisco PrecisionHD 1080p 12x		HDMI inputs 1 and 2. DVI-D inputs 3 and PC with HDMI to DVI-D adapter.
Cisco PrecisionHD 720p 7x		HDMI inputs 1 and 2. DVI-D inputs 3 and PC with HDMI to DVI-D adapter.
TANDBERG WAVE II NTSC PAL		S-Video inputs 1, 2, 3. Composite inputs (RCA) 4, 5, 6.

<p>Canon VC-C1 MK II NTSC</p>		<p>S-Video inputs 1, 2, 3. Composite inputs (RCA) 4, 5, 6.</p>
<p>Canon VC-C4 NTSC</p>		<p>S-Video inputs 1, 2, 3. Composite inputs (RCA) 4, 5, 6.</p>
<p>Sony EVI-HD1 NTSC</p>		<p>S-Video inputs 1, 2, 3. Composite inputs (RCA) 4, 5, 6.</p>
<p>Sony EVI-D30 NTSC Sony EVI-D31 PAL</p>		<p>S-Video inputs 1, 2, 3. Composite inputs (RCA) 4, 5, 6.</p>
<p>Sony EVI-D100 NTSC</p>		<p>S-Video inputs 1, 2, 3. Composite inputs (RCA) 4, 5, 6.</p>
<p>Sony BRC-300 NTSC</p>		<p>S-Video inputs 1, 2, 3.</p>
<p>ELMO HV-5100XG NTSC</p>		<p>S-Video inputs 1, 2, 3. Composite inputs 4, 5, 6. RGB (PC) inputs 3 and PC.</p>

PC \ Mac \ Tablets

Equipment	Picture	OS revision	Comments
Lenovo W510		Windows 7 Enterprise, 64-bit NVIDIA Quadro FX 880M, Ver. 8.17.12.6824	Tested VGA (analog) and HDMI (digital) from display port.
Lenovo T400		Windows 7 Enterprise Service Pack 1, 64-bit Mobile Intel® 4 Series Express ChipFamily, Ver. 8.15.10.2302	Tested with VGA (analog) and DVI (digital) with docking station.
Lenovo T60		Windows XP Professional, Service Pack 3, 32-bit ATI Mobility Radeon X1400, Ver. 8.593.100.7000	Tested with VGA (analog) and DVI (digital) with docking station.
HP EliteBook 6930p		Windows 7 Enterprise, 64-bit Mobile Intel® 4 Series Express ChipFamily, Ver. 8.15.10.2302	Tested VGA (analog)
MacBookPro		Mac OS X (10.6.8) NVIDIA GeForce 9400M, Ver. 3427	Tested with VGA (analog) and DVI (digital) adapter
iMac		Max OS X, (10.4.11) ATI Radeon X1600 Ver. 01.00.139	Tested with VGA (analog) adapter.
iPad 2		iOS 5.0.1	Tested with VGA (analog) and HDMI (digital) adapter
Cisco Cius		Android 2.2.2 Ver. 9.2(1)	Tested from display port VGA (analog)

Checking for updates and getting help

Cisco recommends registering your product <https://tools.cisco.com/RPF/register/register.do> in order to receive notifications about the latest software and security updates. New feature and maintenance releases are published regularly, and we recommend that your C-series software is always kept up to date.

If you experience any problems when configuring or using your C-series system consult the online help for an explanation of how its individual features and settings work. If you cannot find the answer you need, check on the web site at <http://www.Cisco.com/support/> to make sure that your system is running the most up-to-date software and for further relevant documentation.

You or your reseller can get help from our support team by raising a case at http://www.cisco.com/en/US/support/tsd_cisco_worldwide_contacts.html . Make sure you have the following information ready:

- ▶ The serial number and product model number of the unit
- ▶ The software build number which can be found on the product user interface
- ▶ Your contact email address or telephone number

References and related documents

The following table lists documents and web sites referenced in this document. All product documentation can be found on our [web site](#).

Name	Document reference
Cisco Website	http://www.cisco.com/en/US/products/ps12152/index.html
Cisco FTP Site	http://www.cisco.com/cisco/software/navigator.html
VX Clinical Assistant documentation	http://www.cisco.com/en/US/products/ps12152/tsd_products_support_series_home.html

Software/Firmware filenames

The correct software filename is listed in the following table.

TANDBERG TC system	Software/Firmware	Serial number range
AES Encryption	s52000tc5_0_0.pkg	All
No Encryption	s52000tcnc5_0_0.pkg	All
WIL-A-001	A002553.BIN	All

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