Contents

Contents............................................................................................................................... 2

Document revision history ................................................................................................. 3

Introduction ......................................................................................................................... 4

Changes in CC1.5.0 ............................................................................................................. 5

New feature descriptions ......................................................................................................................... 5

Isochronous transfer mode ............................................................................................................... 5

Support for E4 sensor ...................................................................................................................... 5

w360p resolution .............................................................................................................................. 5

Mac OSX GUI upgrade support ....................................................................................................... 5

Changes in CC1.4.1 ............................................................................................................. 6

New feature descriptions ......................................................................................................................... 6

Support for Mac upgrade .................................................................................................................. 6

Changes in CC1.4.0 ............................................................................................................. 7

New feature descriptions ......................................................................................................................... 7

Cisco branding ................................................................................................................................. 7

Tuning of the focus algorithm ........................................................................................................... 7

Changed the lower limit of color temperature .................................................................................. 7

Camera Software Upgrade .................................................................................................. 8

Windows .................................................................................................................................................. 8

Mac OSX ................................................................................................................................................. 8

Linux ........................................................................................................................................................ 8

Resolved issues .................................................................................................................. 9

Using the Bug Search Tool ...................................................................................................................... 9

Resolved issues since CC 1.4.1 .............................................................................................................. 9

Known limitations ..............................................................................................................10

Interoperability ...................................................................................................................11

Checking for updates and getting help ............................................................................ 12

Register for notifications ................................................................................................................... 12

Finding help and downloading software ......................................................................................... 12

References and related documents ..................................................................................13

Software filenames ................................................................................................................................ 13
## Document revision history

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>23/05/2010</td>
<td>Release of CC1.5.0</td>
</tr>
<tr>
<td>04</td>
<td>31/10/2011</td>
<td>Release of CC1.4.1</td>
</tr>
<tr>
<td>03</td>
<td>18/03/2011</td>
<td>Fixed some typos</td>
</tr>
<tr>
<td>02</td>
<td>04/01/2011</td>
<td>Fixed some typos</td>
</tr>
<tr>
<td>01</td>
<td>14/12/2010</td>
<td>Release of CC1.4.0</td>
</tr>
</tbody>
</table>
Introduction

This release note describes software version CC1.5.0 used by the Cisco PrecisionHD USB Camera released on 23rd of May 2012.

NOTE: This software applies to the Cisco PrecisionHD USB Camera. PrecisionHD 1080p and PrecisionHD 720p cameras do not run CC software. Statements and functionality in this release note does not apply to the PrecisionHD 1080p and PrecisionHD 720p camera.
Changes in CC1.5.0

- Isochronous is now the default USB transfer mode
- Support for E4 sensors
- Support for w360p resolution in RAW and MJPEG mode
- Support for GUI upgrade on MAC OSX

New feature descriptions

Isochronous transfer mode
CC1.4.x used Bulk transfer mode. This resulted in issues in some PC’s equipped with AMD processors. A result of this change is that VGA resolution in RAW mode is no longer supported, MJPEG VGA is still supported.

Support for E4 sensor
PrecisionHD USB is now shipping with a new camera sensor. Cameras that are shipped with CC1.5 have the new sensor and will not work on older CC software versions. To check the version you can turn on the privacy shutter in self-view. The CC software version will be displayed in the lower right corner. If a camera is accidentally downgraded to an unsupported CC version, it can be resolved by upgrading to 1.5.0 again.

w360p resolution
640*360 resolution (w360p) is now supported by the Precision HD USB camera.

Mac OSX GUI upgrade support
A .dmg upgrade image has been provided for easier upgrade of Precision HD USB on MAC OSX. Upgrade instructions are provided in a separate section.
Changes in CC1.4.1

- Support for MAC upgrade without downloading Mac port

New feature descriptions

Support for Mac upgrade

It is now possible to upgrade the Precision HD USB camera from Mac OSX by executing the upgrade script.
Changes in CC1.4.0

- Cisco branding
- Tuning of the focus algorithm
- Changed the lower limit of color temperature

New feature descriptions

Cisco branding
Changed the privacy shutter image to reflect the Cisco brand.

Tuning of the focus algorithm
Tuned the auto focus algorithm to be more accurate.

Changed the lower limit of color temperature
Changed the lower limit of the color temperature range from 2700K to 2500K
Camera Software Upgrade

PLEASE NOTE:
The camera should not stream audio or video while it is being upgraded.
The camera must be re-plugged to the PC before an upgrade is performed.

Windows
Follow these steps to upgrade the camera software on a Windows PC:
- Connect the camera and allow it to boot. The LED indicator turns Green
- Double click on the CC1.5.0.exe utility to upgrade the camera
- The status of the upgrade process can be observed in the details window of the GUI
Windows7 specifics:
- If you encounter an error while upgrading, or upgrade application displays a successful update but the camera is not streaming please re-plug the camera and retry the upgrade.

Mac OSX
Preparations:
- Please terminate all ‘xterm/x11’ application which would block the Mac upgrade tool to run successfully
- To successfully upgrade on Mac OSX your camera must be running CC1.2.2 software or later. No earlier releases of software will support Mac upgrade

Follow these steps to upgrade the camera software on a Mac:
- Connect the camera and allow it to boot. The LED indicator turns Green
- Double click on the CC1.5.0_MAC.dmg utility to mount the application
- Run the mounted application CC1.5.0_MAC.app
- Please provide the sudo (administrator) password for running the upgrade tool on MAC
- The status of the upgrade process can be observed on xterm windows and the final status will be shown in the following screen
- Detailed upgrade log is available in /tmp/cosmos_log/xlog.log

Linux
Follow these steps to upgrade the camera software on a Linux PC:
- Connect the camera and allow it to boot. The LED indicator turns green
- Double click on the CC1.5.0_Linux.sh script to upgrade the camera
- The status of the upgrade process can be observed in the terminal window
Resolved issues

Using the Bug Search Tool

The Bug Search Tool contains information about open and resolved issues for this release and previous releases, including descriptions of the problems and available workarounds. The identifiers listed in these release notes will take you directly to a description of each issue.

To look for information about a specific problem mentioned in this document:
1. Using a web browser, go to the Bug Search Tool.
2. Sign in with a Cisco.com username and password.
3. Enter the bug identifier in the Search field and click Search.

To look for information when you do not know the identifier:
Type the product name in the Search field and click Search.
From the list of bugs that appears, use the Filter drop-down list to filter on either Keyword, Modified Date, Severity, Status, or Technology.
Use Advanced Search on the Bug Search Tool home page to search on a specific software version.
The Bug Search Tool help pages have further information on using the Bug Search Tool.

Resolved issues since CC 1.4.1

<table>
<thead>
<tr>
<th>Reference ID</th>
<th>Equipment</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCtu29810</td>
<td>Cisco PrecisionHD USB Camera</td>
<td>When using PrecisionHD USB with an AMD processor equipped PC, the video may disappear when sharing a presentation in Jabber Video. The issue is only occurring when BULK transfer mode is used, and is fixed by using ISOCHRONOUS transfer mode.</td>
</tr>
</tbody>
</table>
## Known limitations

<table>
<thead>
<tr>
<th>Reference ID</th>
<th>Equipment</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCtz90406</td>
<td>Precision HD USB</td>
<td>Precision HD USB will fail to deliver video to older Skype versions. Issue can be resolved by upgrading to the latest Skype version.</td>
</tr>
</tbody>
</table>
Interoperability

The systems below have been tested and verified with this software release.

<table>
<thead>
<tr>
<th>Vendor</th>
<th>Software revision</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft</td>
<td>Windows XP 32bit SP2/SP3</td>
<td></td>
</tr>
<tr>
<td>Microsoft</td>
<td>Windows XP 64bit SP2</td>
<td></td>
</tr>
<tr>
<td>Microsoft</td>
<td>Windows Vista 32bit SP1/SP2</td>
<td></td>
</tr>
<tr>
<td>Microsoft</td>
<td>Windows Vista 64bit SP1</td>
<td></td>
</tr>
<tr>
<td>Microsoft</td>
<td>Windows 7 32bit</td>
<td></td>
</tr>
<tr>
<td>Microsoft</td>
<td>Windows 7 64bit</td>
<td></td>
</tr>
<tr>
<td>Apple</td>
<td>Mac OS X 10.6.5</td>
<td></td>
</tr>
<tr>
<td>Linux</td>
<td>Ubuntu 10.04 (Lucid Lynx)</td>
<td></td>
</tr>
<tr>
<td>Linux</td>
<td>Fedora 12 (Constantine)</td>
<td></td>
</tr>
<tr>
<td>Linux</td>
<td>Debian 5.04</td>
<td></td>
</tr>
<tr>
<td>Cisco</td>
<td>Movi /Jabber Video</td>
<td>Tested on all Windows versions and OS X 10.6.5</td>
</tr>
<tr>
<td>Skype</td>
<td>Skype</td>
<td>See known issues.</td>
</tr>
<tr>
<td>VideoLAN</td>
<td>VLC</td>
<td>Tested on all Windows versions and Ubuntu and Debian.</td>
</tr>
</tbody>
</table>
Checking for updates and getting help

Register for notifications
Cisco recommends that you register and set up a notification for your Cisco PrecisionHD USB camera by using the Cisco Notification Service at http://www.cisco.com/cisco/support/notifications.html.

New feature and maintenance releases are published regularly, and we recommend that your Cisco PrecisionHD USB camera software is always kept up to date.

Finding help and downloading software
If you experience any problems when configuring or using your Cisco PrecisionHD USB camera, 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/cisco/web/support/index.html to make sure that your Cisco PrecisionHD USB camera 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/cisco/web/support/index.html - shp_contact. 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 closing the camera shutter and viewing the self-view image from the camera.
- 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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Document reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco website</td>
<td><a href="http://www.cisco.com">http://www.cisco.com</a></td>
</tr>
<tr>
<td>Cisco TelePresence User Documentation</td>
<td><a href="http://www.cisco.com/go/telepresence/docs">http://www.cisco.com/go/telepresence/docs</a></td>
</tr>
</tbody>
</table>

Software filenames

The correct software filename is listed in the following table.

<table>
<thead>
<tr>
<th>Software</th>
<th>Software filename</th>
<th>Serial number range</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC1.5.0 Windows</td>
<td>CC1_5_0.exe</td>
<td>All</td>
</tr>
<tr>
<td>CC1.5.0 Mac OSX</td>
<td>CC1_5_0_MAC.dmg</td>
<td>All</td>
</tr>
<tr>
<td>CC1.5.0 Linux</td>
<td>CC1_5_0_Linux.sh</td>
<td>All</td>
</tr>
</tbody>
</table>

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS. THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED “AS IS” WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Cisco and the Cisco Logo are trademarks of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco’s trademarks can be found at www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1005R)
Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

© 2012 Cisco Systems, Inc. All rights reserved.