

TC software  
NOVEMBER 2010

# Regulatory compliance and safety information

Cisco TelePresence System Quick Set C20/C20 Plus

# What's in this guide?

The top menu bar and the entries in the Table of Contents are all hyperlinks, just click on them to go to the topic.

We recommend you visit our web site regularly for updated versions of the user documentation. Go to: <http://www.cisco.com/go/telepresence/docs>

## Table of Contents

- About this guide..... 3
- User documentation ..... 3
- Safety instructions and regulatory compliance information
- Safety instructions..... 5
- Quick Set C20/C20 Plus ..... 5
- User Environment ..... 5
- Water and Moisture ..... 5
- Cleaning..... 5
- Ventilation..... 5
- Lightning ..... 5
- Dust..... 5
- Vibration..... 5
- Power Connection and Hazardous Voltage..... 5
- Servicing ..... 6
- Accessories..... 6
- Communication Lines ..... 6
- FCC rules 15B, acc. to Class A limits..... 6
- EN55022 EMC Class A declaration..... 6
- EN55022 EMC Class B declaration..... 6
- Approvals ..... 7
- Quick Set C20..... 7
- Quick Set C20 plus..... 7
- EC Declarations..... 8
- EC Declaration of conformity for the Codec C20..... 8
- Supported RFCs..... 9
- Current RFCs and drafts supported..... 9
- Media capabilities supported in SIP ..... 9
- China RoHS hazardous substance table ..... 10

## About this guide

The purpose of this document is to describe the regulatory compliance and safety instructions for the product(s) listed below.:

- Cisco TelePresence Quick Set C20/C20 Plus

## User documentation

The user documentation for the Cisco TelePresence systems, running the **TC software**, have several guides suitable to various user groups.

- Video conference room primer
- Video conference room acoustics guidelines
- Getting started guide for the TelePresence systems
- User guide for the TelePresence systems
- Administrator guides for the TelePresence systems
- Camera user guide for the PrecisionHD cameras
- Regulatory compliance and safety information guide
- Legal & license information for products using TC software

Download the user documentation

Go to: ► <http://www.cisco.com/go/telepresence/docs> and select your product to see the user documentation for your product.

## Chapter 1

# Safety instructions and regulatory compliance information

## Safety instructions

### Quick Set C20/C20 Plus

The information in this section applies to Cisco TelePresence Quick Set C20/C20 Plus.

- Quick Set C20 Plus comes with the PrecisionHD 1080p 12X camera.
- Quick Set C20 comes with the PrecisionHD 1080p 4X camera.

For your protection please read these safety instructions completely before you connect the equipment to the power source. Carefully observe all warnings, precautions and instructions both on the apparatus and in these operating instructions. Retain this manual for future reference.

### User Environment

This product is for use in an indoor office environment. Protection against dust and moisture according to IP 20. Do not use this product at altitudes above 3000m asl. Do not use the product in ambient temperatures above 35°C (95°F) and below 0°C (32°F). Relative humidity (RH) must be between 10% to 90%.

### Water and Moisture

Do not operate the apparatus under or near water – for example near a bathtub, kitchen sink, or laundry tub, in a wet basement, near a swimming pool or in other areas with high humidity.

- Never install jacks for communication cables in wet locations unless the jack is specifically designed for wet locations.
- Do not touch the product with wet hands.

### Cleaning

Unplug the apparatus from communication lines, mains power-outlet or any power source before cleaning or polishing. Do not use liquid cleaners or aerosol cleaners. Use a lint-free cloth lightly moistened with water for cleaning the exterior of the apparatus.

### Ventilation

Do not block any of the ventilation openings of the apparatus. Never cover the slots and openings with a cloth or other material.

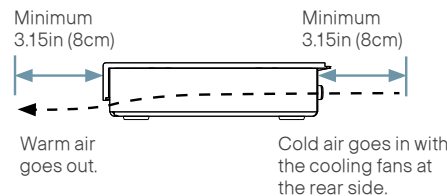
Never install the apparatus near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Small objects (like paper clips and staples) entering the ventilation openings may damage the product.

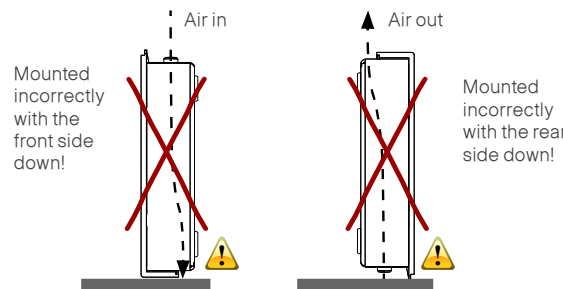
Do not place the product in direct sunlight or close to a surface directly heated by the sun.

**IMPORTANT:** Do not cover up the openings for ventilation in the front and rear side of the codec. Cold air goes in with the cooling fans at the rear side and warm air is blown out at the front side.

There should always be a distance of minimum 0.26 ft (8 cm) free space in both the front side and the rear side of the Codec C20.



**WARNING:** If the Codec C20 is mounted with the front side or rear side down, make sure there is sufficient free space to allow for ventilation.



**NOTE:** Incorrect mounting as shown above will not allow for enough ventilation through the codec.

### Lightning

Never use this apparatus, or connect/disconnect communication cables or power cables during lightning storms.

### Dust

Do not operate the apparatus in areas with a high concentration of dust.

### Vibration

Do not operate the apparatus in areas with vibration or place it on an unstable surface.

### Power Connection and Hazardous Voltage

The product may have a hazardous voltage inside.

- Never attempt to open this product, or any peripherals connected to the product, where this action requires a tool.
- This product (it's AC-DC adapter) should always be powered from an earthed power outlet.
- Never connect attached power supply cord to other products.
- In case any parts of the product has visual damage never attempt to connect main power, or any other power source, before consulting service personnel.
- The AC power connector serves as the main disconnect device for this equipment and must always be easily accessible.
- Route the power cord so as to avoid it being walked on or pinched by items placed upon or against it. Pay particular attention to the plugs, receptacles and the point where the cord exits from the apparatus.
- Do not tug the power cord.
- If the provided plug does not fit into your outlet, consult an electrician.
- Never install cables, or any peripherals, without first unplugging the device from its power source.
- Always use the power supply (AC-DC adapter) provided with this product.
- Replace only with power supply (AC-DC adapter) specified by TANDBERG.

Continues overleaf...

- Never connect attached power supply (AC–DC adapter) to other products.
- Never cover the power supply (AC–DC adapter) with any object, cloth, and so on, and do not place the power supply in a narrow space with limited ventilation. This can cause the AC-DC adapter to overheat and cause risk of fire and electrical shock.
- The product with the provided power supply (AC-DC adapter) is tested for IT- and TN-power systems.

### Servicing

Do not attempt to service the apparatus yourself because opening or removing covers may expose you to dangerous voltages or other hazards, and will void the warranty. Refer all servicing to qualified service personnel. (Change of batteries in the remote control, according to user manual, can be done by the user).

Unplug the apparatus from its power source and refer servicing to qualified personnel under the following conditions:

- If the power cord or plug is damaged or frayed.
- If liquid has been spilled into the apparatus.
- If objects have fallen into the apparatus.
- If the apparatus has been exposed to rain or moisture.
- If the apparatus has been subjected to excessive shock by being dropped.
- If the cabinet has been damaged.
- If the apparatus seems to be overheated.
- If the apparatus emits smoke or abnormal odor.
- If the apparatus fails to operate in accordance with the operating instructions.

### Accessories

Use only accessories specified by the manufacturer, or sold with the apparatus.

### Communication Lines

Do not use communication equipment to report a gas leak in the vicinity of the leak.

### FCC rules 15B, acc. to Class A limits

Class A digital device, pursuant to part 15 of the FCC Rules (For the US only)

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### EN55022 EMC Class A declaration

**NOTE:** Applies to Quick Set C20 using the PrecisionHD 1080p 4X camera Rev. 03 (see the rating label)

**WARNING:** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### EN55022 EMC Class B declaration

**NOTE:** Applies to Quick Set C20 using the PrecisionHD 1080p 12X camera and PrecisionHD 1080p 4X camera Rev. 04 and above (see the rating label).

## Approvals

### Quick Set C20

Shipped with PrecisionHD 1080p 4X camera

#### EU/EEC

Directive 2006/95/EC (Low Voltage Directive)

– Standard EN 60950-1

#### Camera Rev.03 (rating label):

##### EU/EEC

Directive 2004/108/EC (EMC Directive)

– Standard EN 55022, Class A

– Standard EN 55024

– Standard EN 61000-3-2/-3-3.

Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

##### USA

Approved according to UL 60950-1

Complies with FCC15B Class A

##### Canada

Approved according to CAN/CSA-C22.2 No. 60950-1

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

#### Camera Rev.04 (rating label):

##### EU/EEC

Directive 2004/108/EC (EMC Directive)

– Standard EN 55022, Class B

– Standard EN 55024

– Standard EN 61000-3-2/-3-3

##### USA

Approved according to UL 60950-1

Complies with FCC15B Class A

##### Canada

Approved according to CAN/CSA-C22.2 No. 60950-1

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### Quick Set C20 plus

Shipped with PrecisionHD 1080p 12X camera

#### EU/EEC

Directive 2006/95/EC (Low Voltage Directive)

– Standard EN 60950-1

Directive 2004/108/EC (EMC Directive)

– Standard EN 55022, Class B

– Standard EN 55024

– Standard EN 61000-3-2/-3-3

#### USA

Approved according to UL 60950-1

Complies with FCC15B Class A

#### Canada

Approved according to CAN/CSA-C22.2 No. 60950-1

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

## EC Declarations

### EC Declaration of conformity for the Codec C20

For an official, signed version of this document, or details regarding documentation from the technical construction file, please contact Cisco.

EC Declaration of conformity	
MANUFACTURER:	TANDBERG Telecom AS
PRODUCT NAME:	TANDBERG Codec C20
TYPE NUMBER:	TTC7-18
DESCRIPTION:	Video Conferencing Equipment
DIRECTIVES: This equipment complies with.	LVD 2006/95/EC EMC 2004/108/EC
HARMONIZED STANDARDS: Applied in order to verify compliance with directives.	EN 60950-1:2006 EN 55022 (2006) EN 55024 (1998) + A1 (2001) + A2 (2003) EN 61000-3-2 (2006) EN 61000-3-3 (1995) + A1 (2001) + A2 (2005)
TEST REPORTS and CERTIFICATES ISSUED BY:	Reports/Certificates No.: LVD (Nemko AS) 121905 EMC (Nemko AS) E09659.00
TECHNICAL CONSTRUCTION FILE NO.:	14508
YEAR WHICH THE CE-MARK WAS AFFIXED:	2009



## Supported RFCs

The RFC (Request for Comments) series contains technical and organizational documents about the Internet, including the technical specifications and policy documents produced by the Internet Engineering Task Force (IETF).

## Current RFCs and drafts supported

- RFC 1889 RTP: A Transport Protocol for Real-time Applications
- RFC 2190 RTP Payload Format for H.263 Video Streams
- RFC 2327 SDP: Session Description Protocol
- RFC 2396 Uniform Resource Identifiers (URI): Generic Syntax
- RFC 2429 RTP Payload Format for the 1998 Version of ITU-T Rec. H.263 Video (H.263+)
- RFC 2460 Internet protocol, version 6 (IPv6) specification
- RFC 2617 Digest Authentication
- RFC 2782 DNS RR for specifying the location of services (DNS SRV)
- RFC 2833 RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals
- RFC 2976 The SIP INFO Method
- RFC 3016 RTP Payload Format for MPEG-4 Audio/Visual Streams
- RFC 3047 RTP Payload Format for ITU-T Recommendation G.722.1
- RFC 3261 SIP: Session Initiation Protocol
- RFC 3262 Reliability of Provisional Responses in SIP
- RFC 3263 Locating SIP Servers
- RFC 3264 An Offer/Answer Model with SDP
- RFC 3311 UPDATE method
- RFC 3361 DHCP Option for SIP Servers
- RFC 3420 Internet Media Type message/sipfrag
- RFC 3515 Refer method
- RFC 3550 RTP: A Transport Protocol for Real-Time Applications
- RFC 3581 Symmetric Response Routing
- RFC 3605 RTCP attribute in SDP
- RFC 3711 The Secure Real-time Transport Protocol (SRTP)
- RFC 3840 Indicating User Agent Capabilities in SIP
- RFC 3890 A Transport Independent Bandwidth Modifier for SDP
- RFC 3891 The SIP "Replaces" Header
- RFC 3892 Referred-By Mechanism
- RFC 3960 Early Media
- RFC 3984 RTP Payload Format for H.264 Video
- RFC 4028 Session Timers in SIP

- RFC 4145 TCP-Based Media Transport in the SDP
- RFC 4568 SDP: Security Descriptions for Media Streams
- RFC 4574 The Session Description Protocol (SDP) Label Attribute
- RFC 4582 The Binary Floor Control Protocol
- RFC 4583 SDP Format for BFCP Streams
- RFC 4585 Extended RTP Profile for RTCP-Based Feedback
- RFC 4587 RTP Payload Format for H.261 Video Streams
- RFC 4629 RTP Payload Format for ITU-T Rec. H.263 Video
- RFC 4796 The SDP Content Attribute
- RFC 4862 IPv6 stateless address autoconfiguration
- RFC 5168 XML Schema for Media Control
- RFC 5589: SIP Call Control Transfer
- draft-ietf-avt, continued...tp-h264, continued...cdo-02
- draft-ietf-avt, continued...tp, continued...fc3984bis-06
- draft-ietf-sip-outbound-20: Managing Client Initiated Connections

## Media capabilities supported in SIP

The audio and video media capabilities supported in SIP are the same as for H.323.

## China RoHS hazardous substance table

This products described in this guide complies with the Chinese RoHS.

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
金属部件 (包括紧固件)	×	○	○	○	○	○
印刷电路板组件和元件	×	○	○	○	○	○
缆线和缆线组件	×	○	○	○	○	○
塑料和聚合物部件	○	○	○	○	○	○
显示器, 包含灯泡	×	×	○	○	○	○
除印刷版电路板外的其他电子组件	×	○	○	○	○	○
光学玻璃材料	×	○	×	○	○	○
干电池	○	○	○	○	○	○

○ : 代表此种部件的所有均质材料中所含的该种有毒有害物质均低于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》( SJ/T 11363-2006 ) 规定的限量。

× : 代表此种部件所用的均质材料中, 至少有一类材料其所含的有毒有害物质高于中华人民共和国信息产业部所颁布的《电子信息产品中有毒有害物质的限量要求》( SJ/T 11363-2006 ) 规定的限量。

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