General Operations, Warnings and Precautions

Do NOT Discard: This document is to be kept with equipment at all times.

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Device Components

The Cisco Telepresence Clinical Presence System™ consists of a number of components, as illustrated in Figure 1-1. For more information, please refer to Cisco TelePresence System Clinical Presence System™ (CPS) Installation and User Guide at http://www.cisco.com/en/US/products/ps11417/tsd_products_support_install_and_upgrade.html.

Intended Use

The Cisco TelePresence System Clinical Presence System™ (CPS) enables secure and effective audio/video communication between multiple healthcare providers and between providers and patients. The system transmits real-time audio and video captured by a high-definition camera and integrated microphone. It also receives real-time audio and video from a corresponding functionally like system in a remote location. Finally, the CPS supports transmission of real-time audio and video signals from peripheral audio/visual medical devices, which may be connected to standard audio and video inputs provided on the system.

The CPS is intended to facilitate remote provider/patient and provider/provider consultations. These consultations should always be conducted with a licensed medical professional physically in the room with the patient. The CPS is not intended to substitute for the in-person physical examination of a patient or as a substitute for direct medical intervention. It is also not intended for real-time, active, or online patient monitoring, nor is it intended to provide time sensitive data or alarms. The CPS does not support transmission of numerical telemetric/serial data and is not intended for use with non-audio/visual medical devices.

If the user is unable to use the Clinical Presence System for its intended use, discontinue the patient examination using the CPS and refer to the Cisco Telepresence Clinical Presence System™ User Guide for further instructions on proper operation. If a problem cannot be resolved by the user, contact Cisco Systems for further support at http://www.cisco.com/en/US/support/tsd_cisco_worldwide_contacts.html.

System Considerations

The user’s infrastructure must meet basic requirements in order for CPS to perform as intended. This includes, but is not limited to: adequate bandwidth, appropriate capacity routing and switching equipment. The CPS should only be used with connected peripheral devices that are compatible with the audio and video specifications of the CPS, as set forth in the Installation and User Guide.

Patient Privacy
Cisco Telepresence Clinical Presence System™ employs encryption for the protection of patient data. No security features can provide absolute protection against loss of privacy. The user is responsible for using reasonable precautions at its site to secure appropriate patient confidentiality.

**Therapeutic Claims**

Cisco does not claim that the Clinical Presence System will improve medical outcomes or have a therapeutic impact on patients with specific medical conditions.

**Warnings**

**Not Intended For Dialing Emergency Medical Services**

Cisco Telepresence Clinical Presence System is not intended to make emergency calls. In the event of an emergency, the user should use a telephone or device other than the Cisco Clinical Presence System to call local emergency services.

**Loss of Connectivity**

During the use of the Cisco TelePresence Clinical Presence System™, a healthcare professional may lose connectivity with the system, a medical device or the video conferencing system. Loss of connectivity can result from power outages, network outages, and failure in the CPS software/hardware, or other causes. Loss of connectivity can prevent a health care professional from completing the patient exam in a timely manner. In cases where performance of the examination is time critical, the user should not use the Cisco TelePresence Clinical Presence System and seek an in-person examination from a licensed healthcare professional.

**Delay or Choppiness of Audio or Video Transmission**

The Cisco TelePresence Clinical Presence System normally operates at a delay of no more than 20 milliseconds, meaning that the provider will experience the audio and video transmissions later than they are really occurring. In cases where the remote healthcare provider needs to make time sensitive assessments or give instructions this delay may result in misalignment of audio and visual transmissions to the real-time procedure and/or inappropriate treatment or diagnosis.

**Proper Training Is Required**


**Camera May Not Focus**

There may be times when the main CPS camera or a connected peripheral camera does not focus or loses focus. This problem can result from equipment malfunction, improper use of the camera, improper configuration, or other reasons. An improperly configured or poorly focused camera may reduce the quality of the image. The camera can be maximized on the inputs on frame rate and resolution. Please refer to the Cisco TelePresence System Codec C Series “Getting Started Guide” at [http://www.cisco.com/en/US/products/ps11422/prod_installation_guides_list.html](http://www.cisco.com/en/US/products/ps11422/prod_installation_guides_list.html).

**Audio Distortions**

**Precautions**


**Avoid Use Near Flammable Mixtures:** The CPS is not suitable for use in the presence of flammable mixtures.

**Electronic Lift:** The CPS has an ELECTRONIC LIFT that can be utilized by pressing the UP or DOWN indicators (see below) found at the right hand side of the unit:

![USE CAUTION WHEN RAISING OR LOWERING UNIT](image)

**Smash Hazard:** Please be aware of areas where there is a potential to smash or crush limbs and extremities or objects.

![Smash Hazard](image)

**Power Distribution:** The power outlet provided in the system is powered from an isolation transformer. The maximum output rating of this outlet is 300 (AC) and 150 (battery powered) Watts. The “exclamation mark” (see below) within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions within literature accompanying the equipment.

![Power Distribution](image)

**Environmental:** This device is not suitable for use in the presence of a flammable anesthetic mixture with air or of a flammable anesthetic mixture with air or oxygen or nitrous oxide. An explosion may result. For more environmental specifications, please refer to the Cisco TelePresence System Clinical Presence System ™ (CPS) Installation and User Guide under “Technical Specifications.” See http://www.cisco.com/en/US/products/ps11417/tsd_products_support_install_and_upgrade.html.

**Safety:** CPS Complies with: UL 60601-1, CAN/CSA C22.1 No. 60601-1 and IEC 60601-1-1

- **Water and moisture** - Do not operate the equipment under or near water - for example near a bathtub, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool or in areas with high humidity.

- **Cleaning** - Unplug the apparatus from the wall outlet 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. Install in accordance with the installation instructions. 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.

- **Grounding** - Do not defeat the safety purpose of the grounding-type plug. A grounding-type plug has two blades and a third grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician.
**Power-Cord Protection** - Route the power cord so as to avoid it being walked on or pinched by items placed upon or against it, paying particular attention to the plugs, receptacles, and the point where the cord exits from the apparatus.

**Attachments** - Only use attachments as recommended by the manufacturer.

**Accessories** - Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip over.

**Lightning** - Unplug this apparatus during lightning storms or when unused for long periods of time.

**Servicing** - Do not attempt to service the apparatus yourself as 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.

**Storage** - If you need to store the system, ensure that it is stored in a controlled environment to avoid damage. Refer to the codec documentation for further guidelines.

**Repacking** – Do not throw away the carton and packing materials. They make for an ideal container with which to transport the system.

**Mobility** – Before moving the system unplug the power cord and securely wrap them around the cable wrap brackets. Unplug the table microphone and carry separately. To move the cart, hold the cart handle. You may use the camera tilt handle for local repositioning of the cart.

**Damaged Equipment** - Unplug the apparatus from the outlet and refer servicing to qualified personnel under the following conditions:

- When the power cord or plug is damaged or frayed;
- If liquid has been spilled or 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, or the cabinet has been damaged; or,
- If the apparatus fails to operate in accordance with the operating instructions.

**Additional Information**

**The Operation of the CPS**
For more information on system setup and operation, please refer to the Cisco TelePresence System Clinical Presence System™ (CPS)


1. **To provide power to the system**, plug the system into a standard 120V or 240V outlet as applicable and flip power switch “on” at the bottom of the unit next to power cord. The CPS is now ready to be connected to the network on the rear of the CPS, configured and then to begin making calls.
2. **To use the electronic motorized column lift**, press the UP or DOWN indicators found on the right side of the unit. When the unit is in the raised position, ensure that the area below the work surface is clear to lower the unit.
3. **To place or receive a video call**, use the appropriate buttons on the Infrared Remote Control included with the system and follow the on screen prompting.
4. **To connect to other equipment**, there are multiple audio and video inputs on the side, rear, and front interface panels of the CPS. Devices connected to these inputs can be activated via the front button panel or the included infrared controller.

**GENERAL CLEANING:**

**Display Cleaning**
Use 0.1% hypochlorite solution to wipe clean the monitor casing. Wait for 5 minutes and use another piece of cloth dampened with water to clean off residual hypochlorite.

The video display surface of LCD monitor and the keyboard should be wiped gently using a damp cloth.

**Specific Area Cleaning:**

**On the top shelf surface** (the blue inlaid laminate material (Wilsonart® Atlantis DS25-60))--Clean with warm water and mild soaps, such as those used for hands or dishes. Avoid cleansers containing abrasives, acids, or alkalis. Stubborn stains may be removed with a 1.5 minute exposure to hypochlorite bleach followed by a clean water rinse.

**On the bottom shelf surface** (the white solid material (Samsung Staron®))--General and everyday cleaning can be done by wiping the surface with a damp cloth or sponge, then dry with soft cloth or paper towels. An ammonia-based, non-abrasive cleaner may be used for stains. Disinfect the surface with water-diluted liquid bleach-- approximately 4-parts water to 1-part bleach.

**On the bottom shelf surface** (the blue raised rubberized inlaid material (ACTiVA Rubber Flooring™))--General cleaning (avoid steel wool or abrasive pads), as follows: (1) Sweep and clean all surface dirt; (2) Use OPTI-BRITE Rubber Floor Cleaner (or equivalent product) diluted 3 oz. per gallon of warm water; (3) Wet vacuum or mop up the solution; (4) Rinse with cold water and vacuum or mop up all the rinse water. Spot cleaning, as follows: (a) Use a mild spray solution (like Windex) on the area to be cleaned; (b) Wipe clean with a soft, dry cloth.