



Cisco Competence Development 2013 Business Video/Collaboration

Cisco Partner Organization, Brazil

Quem sou eu?

- Jose Alfredo (JA) Souza
Partner Systems Engineer
Cisco Collaboration, TelePresence Specialist

- Contatos

Email: josalfre@cisco.com / jose.alfredo@cisco.com

Video: josalfre@cisco.com / josalfre@jabber.com

Fones: (11) 5508-6334 / (11) 9 8140-5000

Perfil do LinkedIn: <http://br.linkedin.com/in/josealfredosouza>

Blog: <http://supportforums.cisco.com/blogs/josealfredo>

Twitter: @josealfredosouz

PREFERIMOS VÍDEO!... OBRIGADO 😊





**KEEP
CALM
AND
GET BACK
TO BASICS**

**TO BASICS
GET BACK
AND
KEEP CALM**

Back2Basics #6

27

Tutorial: C-Series Codecs (C60)

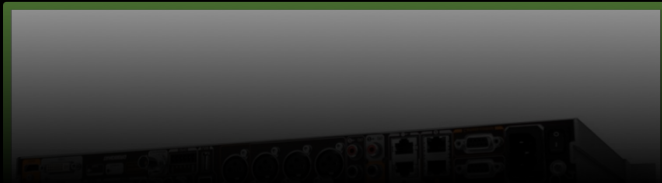
C-Series Codecs (C40 – C60 – C90)

Não confundir com os UCS C-series!



Cisco TelePresence C60

Codec Cisco TelePresence C60



- Mesmo design do C90
 - Menos I/O's
- Integração básica do Codec
 - Dual Camera, Dual Monitor
 - **SIM! Suporta composição de Video!**
- Transmite HD video em até 1920x1200
 - 1080p at 30fps
 - 720p at 60fps

Detalhes Técnicos – Cisco C60

Codec C60 Rear Panel

The following pages give a detailed description of the rear panel sockets and connectors.



Video sockets

GPIO and USB

Audio sockets

T Link

Network
interface
sockets

COM
Port,
Camera
Control

Power
socket

Power
switch

- Vídeo – 5 entradas e 3 saídas
 - Diferentes formatos – Vídeo Componente por **DVI-D, HDMI, DVI-I e Video Composto por SDI**
- Áudio – 4 entradas balanceadas **XLR**
 - Além de áudio via HDMI e **RCA in/out**
- APIs para integração “E” suporte a Composição de vídeo!



HUMAN
Social Interaction

PENCIL
BE EXCHANGED

HUMAN
Social Mkt.

PENCIL
Camp Light Sale

Barrows Exchange - BE EXCHANGED

freedom vs. constraints



C60 – Outras features

- Resoluções

 - Ponto-a-ponto: 1080p30 ou 720p60

 - Ponto-a-ponto + Duo: 1080p30 ou 720p60 (Imagens), UXGA30

 - Multiponto: 4-way (1+3) 720p30, 3-way (1+2) 720p30

- Dual Stack H.323 e SIP / IPv4 e IPv6

- Registro ao VCS (Control/Expressway) e CUCM 8.6 ou superior

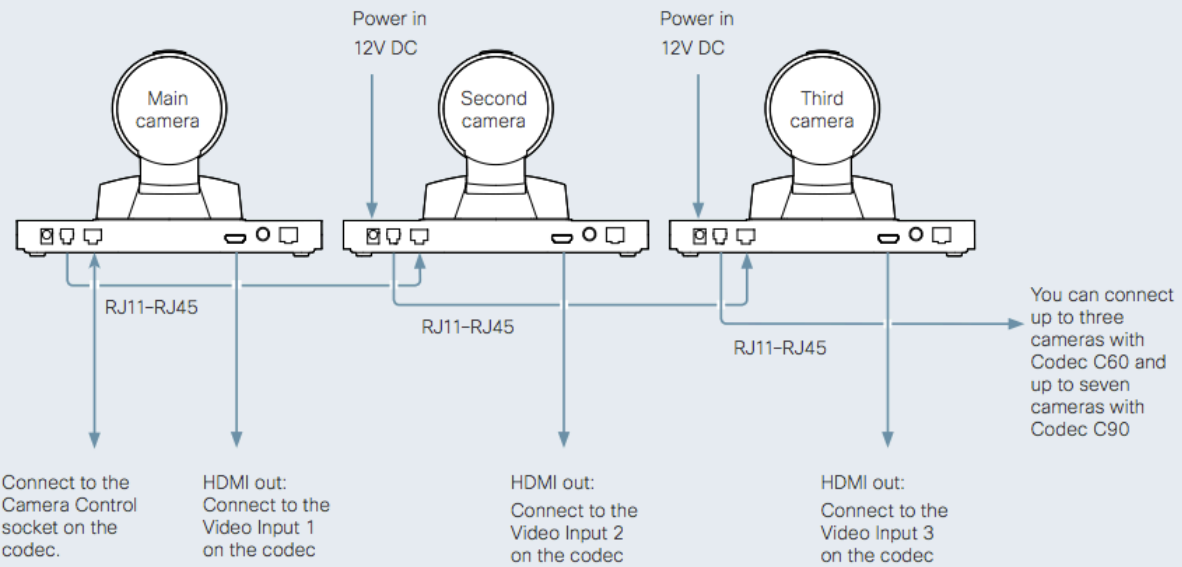
- Controle de segunda câmera Precision HD 1080p pelo controle remoto ou Cisco Touch

Precision HD Daisy Chain

Cascateamento

Até 3 Cameras!

Example. PrecisionHD 1080p12x cameras in a daisy chain.



BoM

Codec Cisco C60 (Exemplo)

Line Number	Item Name	Description	Quantity
1.0	CTS-C60-K9	Codec C60-Incls NPP Rackmt Kit Rmt Cntrl HDMI And Pwr Cbl	1
1.0.1	CON-EC4N-CTSC60K9	ESS 24X7X4 Codec C60-Incls NPP-Rackmt Kit-Rmt Cntrl	1
1.1	SW-S52000-TC6.XK9	Software Image TC6.x Encryption	1
1.2	PWR-CORD-BZ-A	Brazil Power Cord EL223 EL701B 250V 10A 2M	1
1.3	LIC-C60-MS	Codec C60 Multisite MS Option	1
1.4	LIC-C60-PR	Codec C60 Premium Resolution Option	1
1.5	CTS-C60CODEC-K9	C60 Unit Codec	1
1.6	CTS-RMT-TRC5	Remote Control TRC 5	1
1.7	LIC-C60	License Key C60 CODEC	1
1.8	LIC-CXX-NPP	Natural Presenter Package (NPP) for C Series Based Products	1
1.9	LIC-S52000-TCX.XK9	License Key Software Encrypted	1

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Codec Cisco C60 (Exemplo)

- **CTS-C60-K9 (SKU)**

C60: Codec C40

K9: Encryption

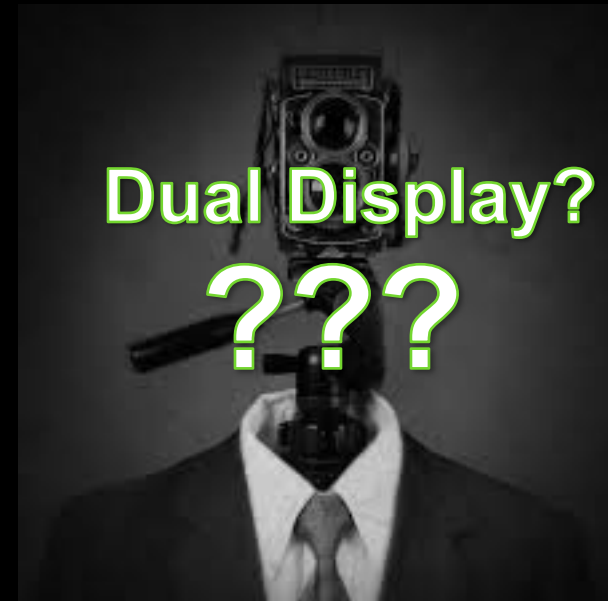
- **Opções:**

LIC-C60-MS: Multisite

LIC-C60-PR: Premium Resolution (Habilita 1080p)

- **Acessórios:**

CTS-CTRL-DVC8=: Cisco Touch 8" *em spare*



Composição de Vídeo!

TC Console – Veja CCD#



The Cisco TC Console application lets you customize different parts of Cisco TelePresence System Codec C90, Codec C60 and Codec C40. It will allow you to create profiles which can be applied to the codec at a later time, or you can configure the system in real-time.

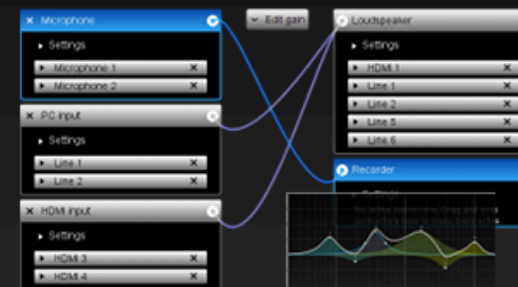
Video Compositor

The Video Compositor allows you to modify the default video compositing behavior of the codec without the need for any programming. You can add new layouts, change the automatically selected layouts and control what will be shown to the user depending on the state of the codec.



Audio Console

The Audio Console helps you configure the audio system of the codec. It will allow you to change the default mixing, routing, equalization and set various input- and output-connector properties.



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Codec Cisco C60 Integrator Package + PHD12x! (Exemplo)

2.0	CTS-INTP-C60-K9	IntPkg C60 - NPP PHD 1080p Cam Rmt Cntrl 1 Mic Cbls ++	1
2.0.1	CON-EC4N-INTPC60	ESS 24X7X4 IntPkg C60 PreHD1080pCam NPP 2HDMI Cbl	1
2.1	LIC-INTP-C60-MS	IntPkg Codec C60 Multisite MS Option	1
2.2	LIC-INTP-C60-PR	IntPkg Codec C60 Premium Resolution Option	1
2.3	CTS-C60CODEC-K9	C60 Unit Codec	1
2.4	CTS-PHD1080P12XS2+	PrecisionHD Camera 1080p 12x Gen 2 for use in auto expand	1
2.5	CTS-RMT-TRC5	Remote Control TRC 5	1
2.6	LIC-CXX-NPP	Natural Presenter Package (NPP) for C Series Based Products	1
2.7	LIC-INTP-C60	License Key C60 IntPkg Codec	1
2.8	LIC-S52000-TCX.XK9	License Key Software Encrypted	1
2.9	SW-S52000-TC6.XK9	Software Image TC6.x Encryption	1
2.10	CTS-CTRL-DVC8	Touch 8 - Control Device	1
2.10.0.1	CON-EC4N-CTRLDVC8	ESS 24X7X4 InTouch 8 - Control Device	1
2.11	PWR-CORD-BZ-A	Brazil Power Cord EL223 EL701B 250V 10A 2M	2

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Codec Cisco C60 Integrator Package + PHD12x! (Exemplo)

- **CTS-INTP-C60-K9 (SKU)**

INTP: Integrator Package

C60: Codec C60

K9: Encryption

- **Opções:**

LIC-C60-MS: Multisite

LIC-C40-PR: Premium Resolution (Habilita 1080p)

- **Acessórios:**

CTS-CTRL-DVC8=: Cisco Touch 8" *em spare*

CTS-PHD-1080P12XS2+: Este não vendido como Spare!

