

SCALA - LT

PTZ HYBRID / Fiber INTERFACE

PTZ Hybrid or Fiber-Pair Link

Single or Dual Channel



Cambox Camera Adapter [CCA]



Cambox Control Unit [CCU] (single channel with 12G Option and SMPTE showed)



Camera Control Unit (Dual Channel Full)

Scala-LT Description

Scala LT is the light version of Scala Modular System.
It has been developed to use High End PTZ Cameras via SMPTE cable (Power+Fiber) handling all necessary signals required in live events.
Typical application are Fly-Cases, OB-Vans and Theatres installation

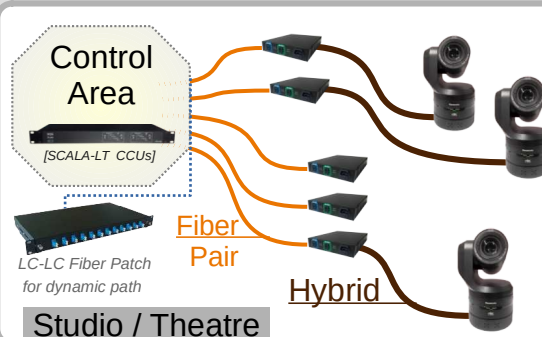
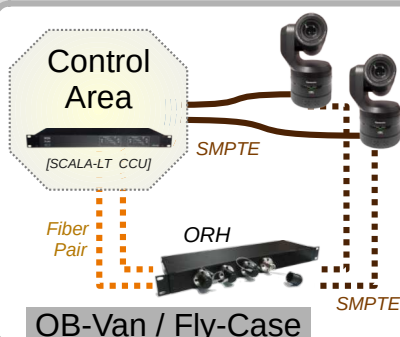
Three signals options (added to original SDI 3G)

[SDI 3G BiDir] or [SDI 12G BiDir] or [Free Fiber] - (usable for ST 2110 / HDMI /...)

Two Hybrid Connectors SMPTE 304 (Lemo) or Neutrik DUO

Both can be directly mounted on CCU or on a Remote Hybrid Power Unit (ORH/1RH/2RH with LC/LC on CCU) allowing a very flexible installation

CCU <SMPTE> CCA or CCU <FIBER-PAIR> ORH <SMPTE> CCA



Optional Remote Hybrid Power Units

Manage power to CCA/ PTZ

1RH Wall Box / SHED (1/2RH)

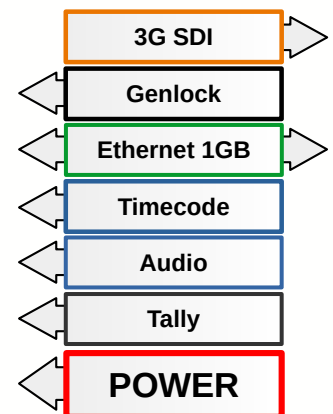
Single Channel Hybrid Interface

ORH Unit

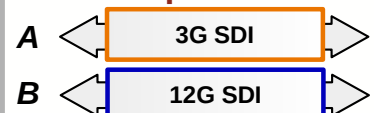
Host up to 4Ch Hybrid Interface (1RU)



Scala-LT



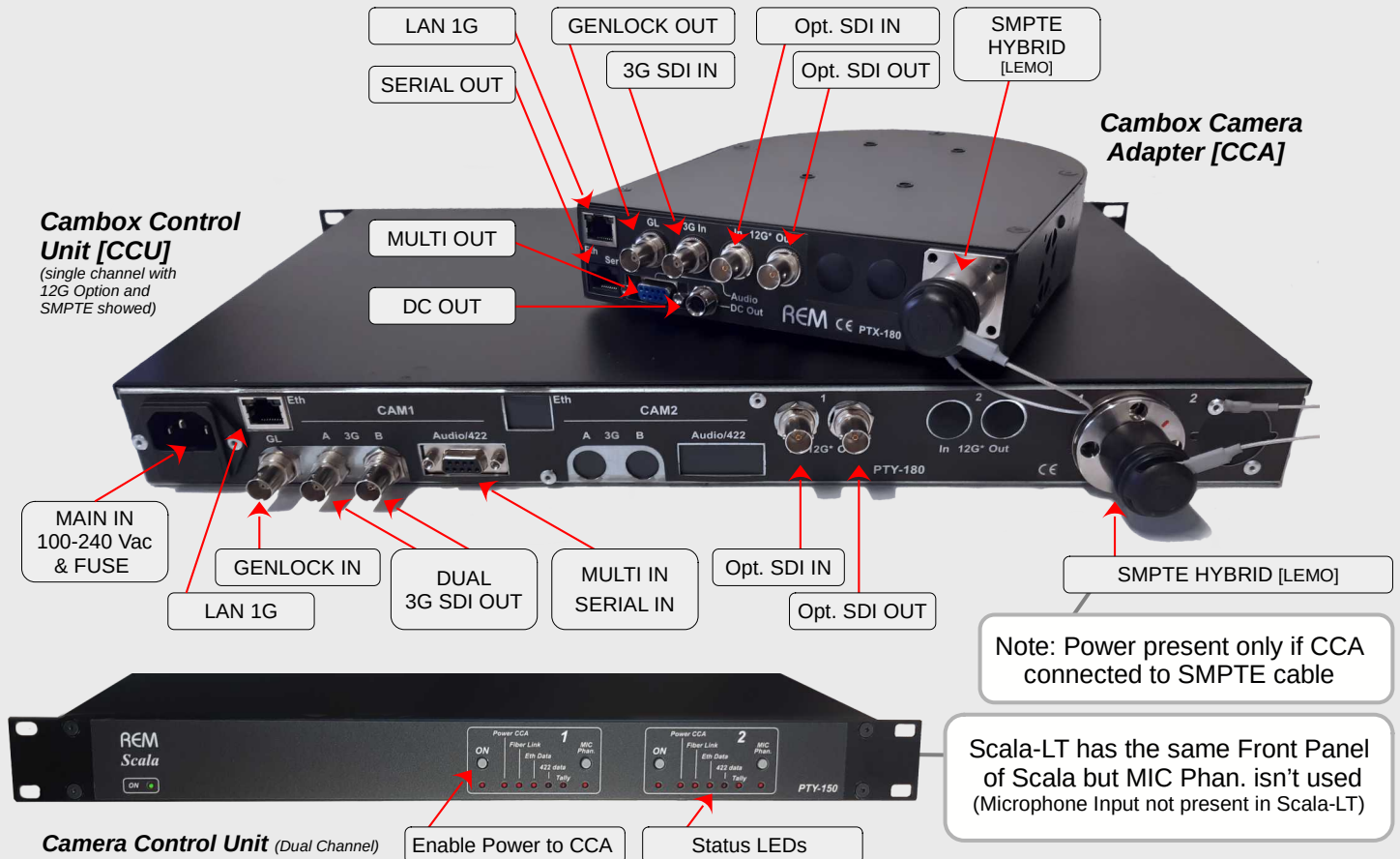
Options:



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SCALA-LT Quick Manual



Scala-LT Technical

Active CCU Status LEDs

Power CCA [CCA connected, handshaked, Power Enabled, Power supplied to camera]
Eth Data [Ethernet active (flashing)],
422 Data [Data present on RS422 bus (flashing)]
Tally [Tally line activated]

Active CCU Controls

CCA Power Enables [Enable Power to SMPTE]

CCA Status LED: CCA Powered

Camera Adapter Signals

Video Signals: SDI Input 3G [BNC] and Reference Output (Composite MS 4Vpp) [BNC]
Audio Signals: 1 Balanced + 1 Unbalanced Analog Audio Output (Line Level) [DB9]
Data Signals: Serial Data Output (RS422 Mono) [RJ45], Ethernet 1GB [RJ45], Tally Output [DB9]
DC Out: DC Out 14V 2A

Control Unit Signals

Video Signals: SDI Output 3G [BNC] and Reference Input (BB, Composite MS) [BNC]
Audio Signals: 1 Balanced + 1 Unbalanced Analog Audio Input (Line Level) [DB9]
Data Signals: Serial Data Input (RS422 Mono) [RJ45], Ethernet 1GB [RJ45], Tally Input [DB9]

Power Consumption: 15 W per channel without Camera load **MAX Camera Load:** 12 Volts-75W

CCA Mechanical: Dimension: W x H x D (182, 40, 219 mm) Weight (1,9 Kg)
Fixing holes for camera plate adapters on Top / Bottom (default AW-UE150 on top)

CCU Mechanical: Dimension: 1RU Depth 300mm Weight (1Ch = 3,1 Kg) (2 Ch = 3,9 Kg)

Connections

CCU DB9 Pinout:

- 1) Audio 1 In +
- 2) Audio 1 In -
- 3) Timecode / A2
- 4) 422 RX-
- 5) Tally Input (Ground=On)
- 6) Ground
- 7) Ground
- 8) Ground
- 9) 422 RX+

CCA DB9 Pinout:

- 1) Audio 1 Out+
- 3) Audio 2 Out+/tc
- 4) NC
- 6) Audio 1 Out-
- 8) Audio 2 Out-
- Others) Ground

CCA RJ45 Pinout:

- 1) TX-
- 2) TX+
- 3) Ground
- 6) Tally Out
- Others) NC

CCA DC-Out Pinout:

- 1,2,5) +12V
- 3,4) Ground

