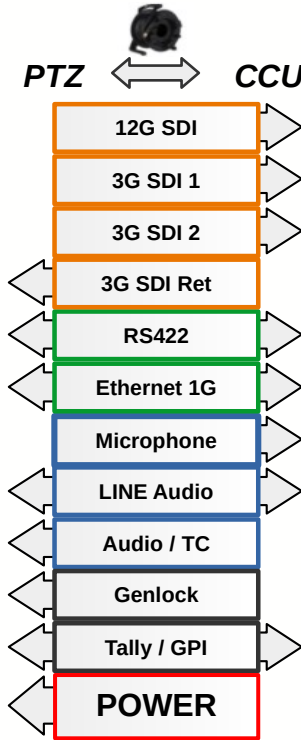


SCALA – Quick Manual – FULL Version

Devices:

- PTX-150** Cambox Camera Adapter
- PTY-150** Cambox Control Unit
- WBP-150** Wall-Box Power Manager



Control Unit PTY-150

Connections

- Ethernet (CCA1)
- RS422 & Tally/GPI (CCA1)
- SDI 'M' Output (from CCA1)
- SDI Input (to CCA1)
- SDI Output (from CCA1)
- SDI-12G (from CCA1)
- SDI-12G (from CCA1)
- Ethernet (CCA2)
- RS422 & Tally/GPI (CCA1)
- SDI 'M' Output (from CCA2)
- SDI Input (to PT 2)
- SDI Output (from CCA1)
- SDI-12G (from CCA2)
- SDI-12G (from CCA2)
- Reference Input (BB or MS)
- Audio In/Out (4+4)
- Lemo Connector (CCA1) or LC/LC
- Lemo Connector (CCA2) or LC7LC
- Main 90-250 Vac
- Fuse 2AT

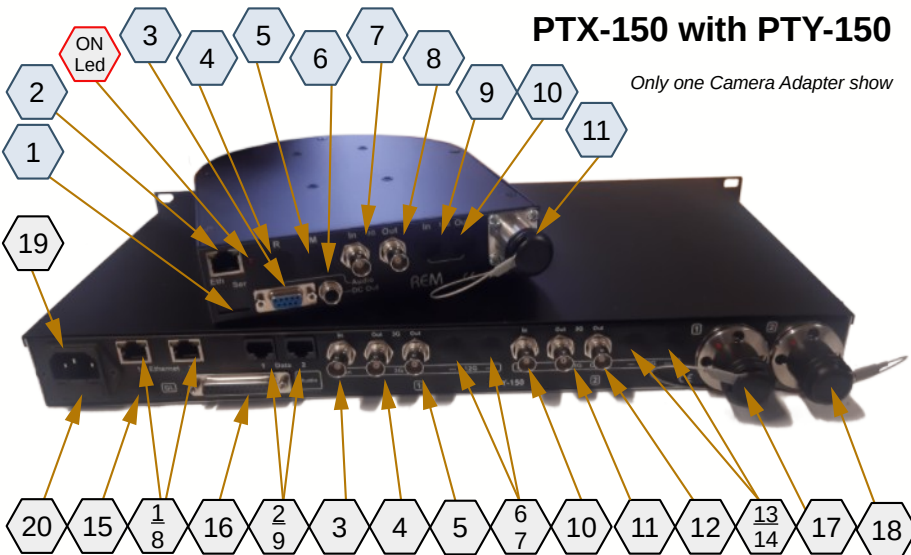
Camera Adapter PTX-150

Connections

- RS422 + Tally
- Ethernet
- Audio In/Out
- Reference Out
- SDI 'M' Input (to Control Unit)
- DC Out to PTZ
- SDI Input (to Control Unit)
- SDI Output (from Control Unit)
- 12G Input (to Control Unit)
- 12G Active Loop Output
- Lemo Hybrid Connector

PTX-150 with PTY-150

Only one Camera Adapter show



Control Unit PTY-150

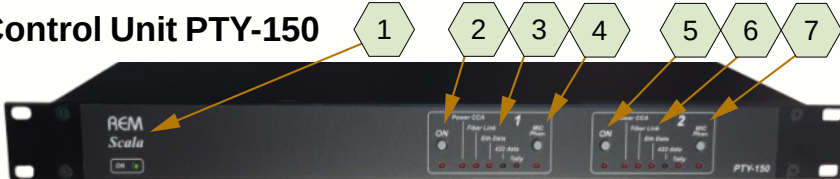
Commands / LEDs

- CCU PTY-150 Powered
- Power Enable (CCA1)
- Status (CCA1)
- Phantom Enable (CCA1)
- Power Enable (CCA2)
- Status (CCA2)
- Phantom Enable (CCA2)

Status LEDs :

- Power CCA** = PTX-150 Powered
- Fiber Link** = Fiber Active
- Eth Data** = Ethernet Data present
- 422 Data** = Serial Data present
- Tally** = Tally Activated

Control Unit PTY-150



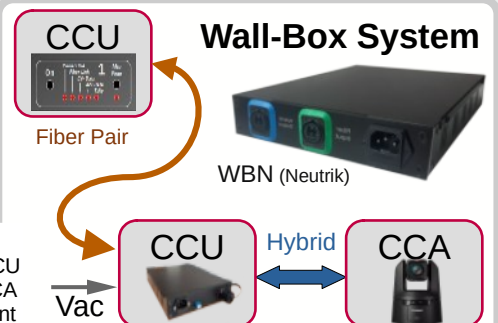
Note: Energy is not supplied to hybrid cable until camera adapter is connected and handshaked. It is good practice to turn off the power to CCA before disconnecting the hybrid cable

WBP-150

Optional Power Manager



- Main Vac
- Fiber from CCU
- Hybrid to CCA
- On/Off on front



Control Unit Status LEDs

CCA Powered [CCA connected, Power supplied to camera]
 Fiber Link Active [Fiber connection established]
 Eth Data [Ethernet active (flashing)]
 422 Data [Data present on RS422 bus (flashing)]
 Tally [Tally line activated]

Control Unit Controls

CCA Power Enables [Power saving]
 Microphone Phantom Enables [Channel 1 / Channel 2]

Camera Adapter

XLR-4P Cable Pinout

- 1 Ground
- 2 Unused
- 3 Unused
- 4 Out +12V



Camera Adapter Status LED

Powered

Camera Adapter Controls

No Controls

Camera Adapter Inputs Signals

- Video Signals: 1 - SDI 3G, 6G, 12G [BNC]
 2 - SDI SD, HD, 3G [BNC]
 1 - Reference [BNC]
- Audio Signals: 1 - Balanced Analog (Line Level) [DB9]
 1 - Balanced Microphone Input [DB9]
- Data Signals: 1 - Serial Data (RS422) [RJ45]
 1 - Ethernet 1GB [RJ45]
 2 - GPI In [RJ45] ⁽¹⁾

Camera Adapter Outputs Signals

- Video Signals: 1 - SDI SD, HD, 3G
- Audio Signals: 1 - Unbalanced Analog Audio [DB9]
- Data Signals: 1 - Serial Data (RS422) [RJ45]
 1 - Ethernet 1GB (with opt. POE++) [RJ45] ⁽¹⁾
 1 - Tally Out (open collector) [RJ45]
- Power : 1 - POE++ on Ethernet [RJ45] *Option*
 1 - 12V Out [M8] ⁽¹⁾

CCA & CCU

RS422 Pinout (RJ45)

- 1 TX-
- 2 TX+
- 3 Ground
- 4 RX-
- 5 RX+
- 6 Tally [→ CCA]
- 7 GPI 1 [→ CCU]
- 8 GPI 2 [→ CCU]

Camera Adapter

DC Out Pinout <5>

- 1 Out +12V
- 2 Out +12V
- 3 Ground
- 4 Ground
- 5 Out +12V

[Use supplied XLR4P adapter]

Control Unit

Audio Pinout (DB25)

- 1 Output Mic 1+
- 2 Ground
- 3 Output Line 1-
- 4 Input Line A+
- 5 Ground
- 6 Input Line 1 B-
- 7 Output Mic 2+
- 8 Ground
- 9 Output Line 2 -
- 10 Input Line 2 A+
- 11 Ground
- 12 Input Line 2 B-
- 13 Ground
- 14 Output Mic 1-
- 15 Output Line 1+
- 16 Ground
- 17 Input Line A-
- 18 Input Line 1 B+
- 19 Ground
- 20 Output Mic 2-
- 21 Output Line 2+
- 22 Ground
- 23 Input Line 2 A-
- 24 Input Line 2 B+
- 25 Ground

Camera Adapter

Audio Pinout (DB9)

- 1 Output Line A Audio +
- 2 Output Line B Audio +
- 3 Ground
- 4 Input Mic + (30db)
- 5 Input Line Audio +
- 6 Output Line A Audio -
- 7 Output Line B Audio -
- 8 Input Mic - (30db)
- 9 Input Line Audio -

Control Unit Inputs Signals per each Camera Adapter Channel

- Video Signals: 1 - SDI SD, HD, 3G [BNC]
 1 - Reference (BB, Composite) [BNC]
- Audio Signals: 2 - Unbalanced Analog (Line Level) [DB9]
- Data Signals: 1 - Serial Data (RS422) [RJ45]
 1 - Ethernet 1GB [RJ45]
 1 - Tally In [RJ45]
 2 - GPI Out [RJ45]

Control Unit Outputs Signals per each Camera Adapter Channel

- Video Signals: 1 - SDI 3G, 6G, 12G [BNC]
 2 - SDI SD, HD, 3G [BNC]
- Audio Signals: 1 - Balanced Line Output [DB25]
 1 - Balanced Microphone Line Output [DB25]
- Data Signals: 1 - Serial Data (RS422) [RJ45]
 1 - Ethernet 1GB [RJ45]
 2 - GPI Out (open collector) [RJ45]
- Power : 1 - Main 90-240 Vac [VDE with Fuse]

Hybrid Connection:

L: SMPTE LEMO 3K
 N: Neutrik OpticalCon DUO

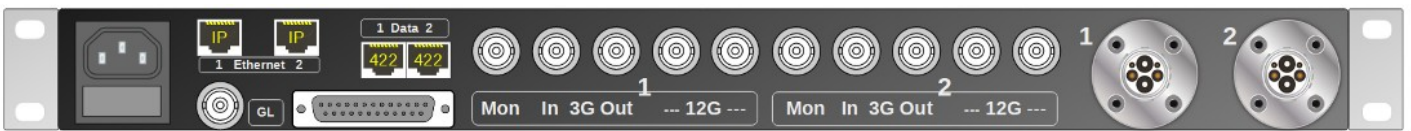
Fiber Pair Version:

N: Neutrik Duo Lite
 P: LC/LC

NOTE:

Fiber Pair Version require WallBox-Power Manager (CBS-WB1 ½RU) or ORH to connect CCA via Hybrid Cable
CCU -LC- WB -Hybrid- CCA

Control Unit (CCU) Back



CCA Camera Mechanical Installation (e.g.: AW-UE-150)

Fix Camera Mount Bracket on top using the 4 screw supplied then follow the PTZ camera Installation manual

¼" holes available on bottom for Tripod or similar fixing

Do not obstruct the flow of air, do not cover Fan gate and front holes

Power Consumption: 16 W per channel without camera load

MAX Camera Load: 12 Volts - 60W

CCA Mechanical: Dimension: W x H x D (182, 40, 219 mm)
 Weight (1,9 Kg)

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

AW-UE150 Connections Example

