REM
Fiber Solutions

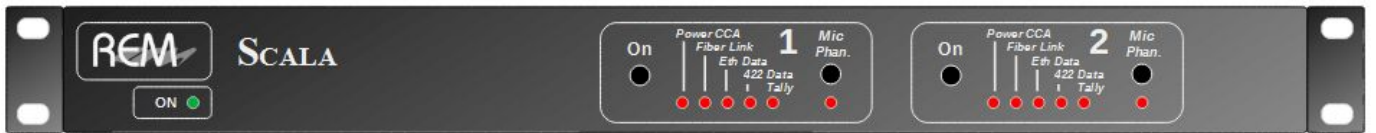# Cambox SCALA
PTZ HYBRID / Fiber INTERFACE

SCALA – The Hybrid Interface for TOP QUALITY 12G PTZ

4K ULTRA HD

2 Channels
Full version
Connectors
side with
SMPTE 304

SCALA
Camera Adapter
under AW-UE150

Camera Control Unit (Dual Channel)

All Signals and Ancilliaries you need

SCALA is the Flagship of Cambox **PoP** series
Designed to be used with <u>TOP Gamma PTZ</u> Cameras
with additional useful multiple signals management

Return 3G Video Feed
Allow Video Confidence or
near Monitor connection.

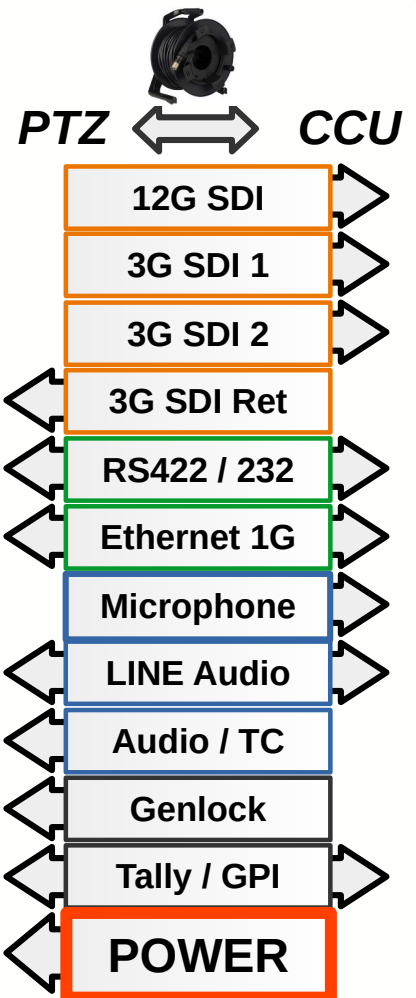**LINE Balanced Audio Input**
and **Return Audio** or **Timecode**

MICROPHONE input with Phantom
To capture High Quality ambient sound

Ethernet and Serial Data
Chose your data connection
…..or control <u>TWO cameras</u>

Tally and GPIs
to solve last minute CTRLs

SMPTE HYBRID or Fiber Pair cable
SMPTE, Neutrik DUO or Rugged LC/LC

Mechanical Adapers
Various adapter abvailable

PTZ ⟺ **CCU**

- 12G SDI
- 3G SDI 1
- 3G SDI 2
- 3G SDI Ret
- RS422 / 232
- Ethernet 1G
- Microphone
- LINE Audio
- Audio / TC
- Genlock
- Tally / GPI
- **POWER**

Cambox SCALA is Modular !!!
Select the version matching your needs

CCU Status LEDs
CCA Powered *[CCA connected, handshaked, Power Enabled, Power supplied to camera]*
Fiber Link Active *[Fiber connection established on both fiber path]*
Eth Data *[Ethernet active (flashing)]*
422 Data *[Data present on RS422 bus (flashing)]*
Tally *[Tally line activated]*

CCU Controls   **CCA Status LED**
CCA Power Enables *[Power saving]*   CCA Powered
Microphone Phantom Enables *[Channel 1 / Channel 2]*

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 - Serial Data (RS232) [RJ45]	
	1 - Ethernet 1GB [RJ45]	

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 - Serial Data (RS232) [RJ45]
	1 - Ethernet 1GB [RJ45](
	1 - Tally Out (open collector) [RJ45]
Power :	1 - Ethernet [RJ45]
	1 - 12V Out [M8] (*)

Application Case

All signals PTZ (powered 12V)
Microphone (with Phantom on/off)
Light PTZ (powered)*
Light Audio device (powered)*
Return Video Outs (SD,HD,3G)
Video Out 12G (Opt.)

Control Unit Inputs Signals per each Camera Adapter Channel

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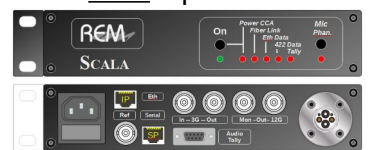
Video Signals:	1 - SDI 3G, 6G, 12G [BNC]
	2 - SDI SD, HD ,3G [BNC]
Audio Signals:	1 - Balanced Line Output [DB25]
	1 - Balanced Microphone Line Output [DB25]
Data Signals:	1 - Serial Data (RS422) [RJ45]
	1 - Ethernet 1GB [RJ45]
	2 - GPI Out (open collector) [RJ45]
Power :	1 - Main 90-240 Vac [VDE with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

SCALA Models

SCALA may be ordered in various versions to match your real needs. Contact us or your nearest Dealer for detailed information

SCALA ½RU CCU

Same feature except 12G BiDi Option and GPI

Available Jan 2024

CCU Back

Hybrid Connection:	SMPTE LEMO 3K (or Neutrik OpticalCon DUO)
Fiber Pair Connection:	LC/LC or Neutrik Duo Light or Senko) *[No Power Transport to CCA]*

Power Consumption:	20 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)
	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)

Note: <u>Multiple Version Available</u>. Contact us for details or visit our website   www.remsnc.it   *2021 Subject to change*