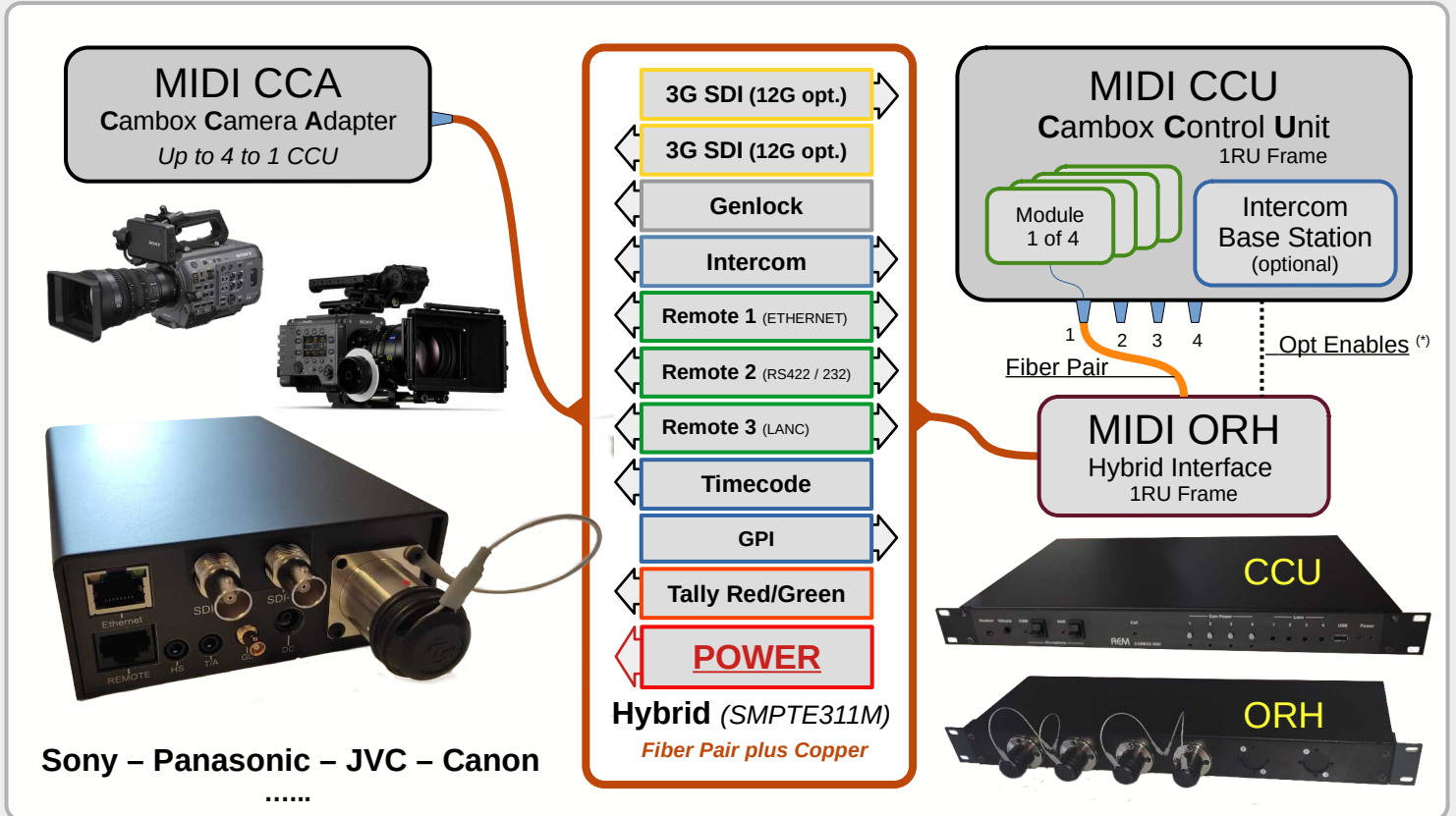


Cambox MIDI

Multi-brand FOUR Cameras Hybrid System

LIVE PRODUCTION HYBRID LINK for CAMERAs CONCEPT



CCA Controls side

- Power LED
- Headset (available on bottom also)
- LANC
- LED Microphone ON
- Microphone On/Off
- Headset Volume decrease
- Headset Volume increase
- Call Button
- Tally indicator (available as contact on bottom also)



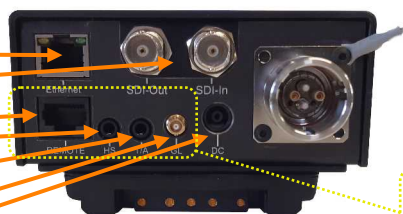
V-Lock
or
G-Mount
or
Tripod
Adapter
option

CCA / Channel Options

- Battery Adapter**
to directly supply Energy to camera and/or to fix the CCA
- Cable Set**
Camera Model dedicated Cables Serial, Videos, Ref, TC + Headset
- 1GB Ethernet**
Optional 1GB Ethernet transport
- 12G SDI**
Bidirectional 12G SDI **4K ULTRA HD**
- Camera Adapter Local Power Supply (brick)**

CCA Connections side

- Ethernet 1GB (opt.)
- SDI IN 3G (12G opt.)
- SDI OUT 3G (12G opt.)
- Serial Remote / Tally Out
- HS → Headset
- T/A → Timecode / Tallies
- GL → Reference Out (microBNC)
- DC → 12VDC Output or Input(*)



HYBRID SMPTE
Available with:
Neutrik DUO
Lemo

Not present on PTZ Channels

CCU / System Options

- Integrated Intercom Base Station**
2 GROUPS with enables + background (Cameras / Local Cooperators / PGM)
- Neutrik DUO or REM**
Neutrik Lite or REM connector Instead of default LC/LC
- Transport Suitcase**
Dedicated IP67 for 4 CCA

Specifications

CCA Cambox Camera Adaptor

Power when Hybrid unused: DC 12Vdc <8W (without Camera)
Weight: 850 g Size: 180*110*40 mm (without V-mount)
Max Camera Load: 80W

CCU Cambox Control Unit

Power: Vac 90~240V <20W
Weight: 3kg Size: 19" 1U standard rack mount
Work Temp -15°C to 45°C Humidity 0 ~ 90% (non-cond.)

Signal formats: SMPTE 424M, 292M, 259M (270Mbit/s - 1.48Gbit/s – 3Gbit/s)

Notes: No Power supplied to cable until CCA connected and recognised
Overload/Overtemperature protection

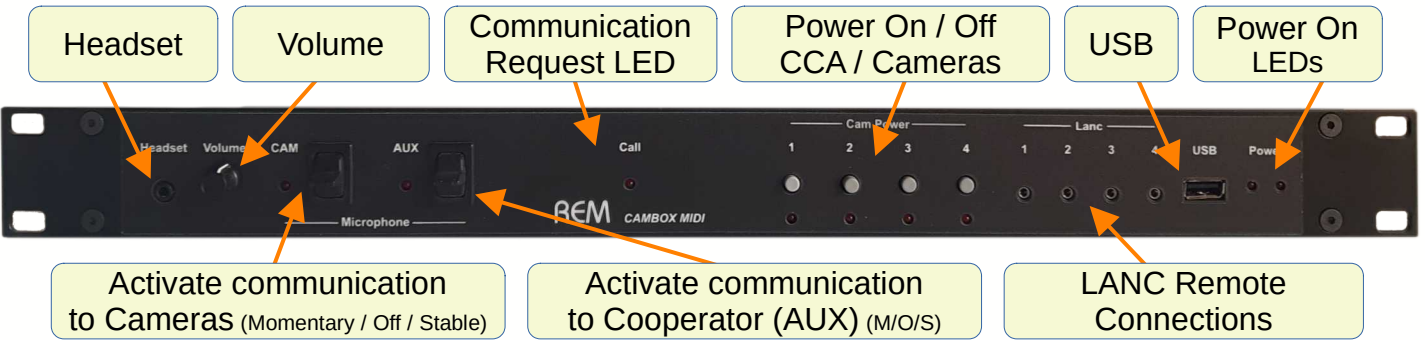


Cambox MIDI

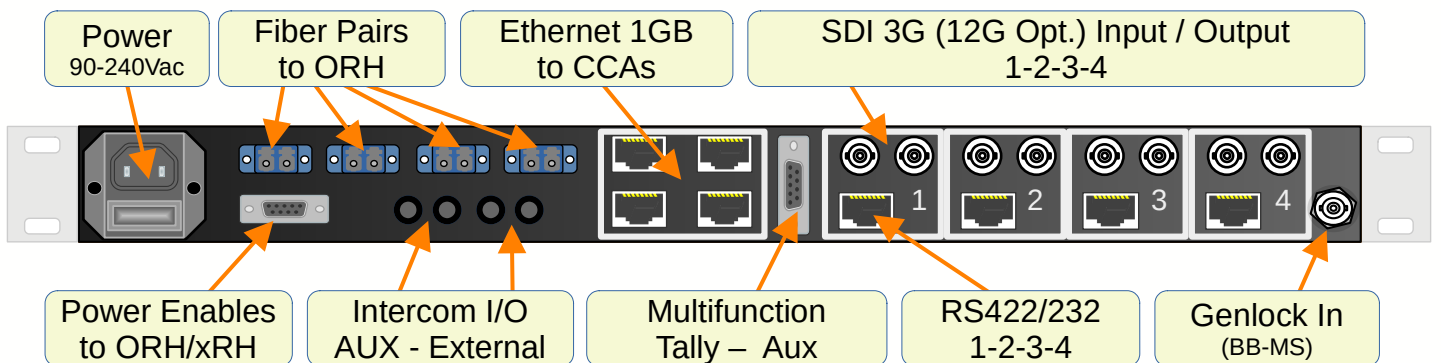
Multi-brand FOUR Cameras Hybrid System

LIVE PRODUCTION HYBRID LINK Quick Manual

IBS – Integrated Intercom Base Station



CCU – Control Unit Rear Connection

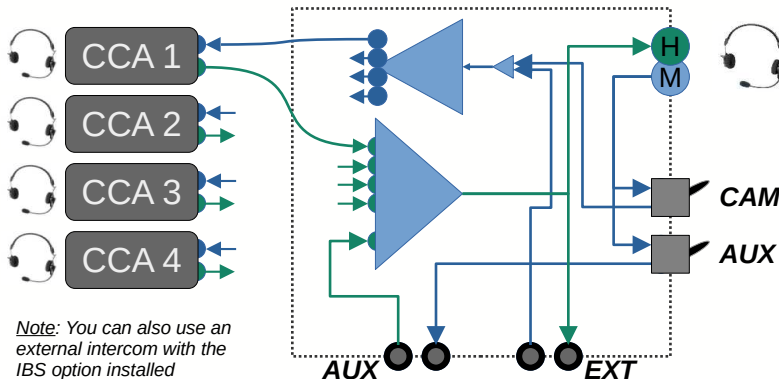


ORH / xRH Ctrl

Via this cable is it possible to enable and disable power sent to camera adapter, it may be omitted allowing for ORH/xRH positioning

xRH refer to incoming new products options: (1RH-2RH)
Available Oct 2022

Intercomm Concept (with IBS)



Multifunction Pinout

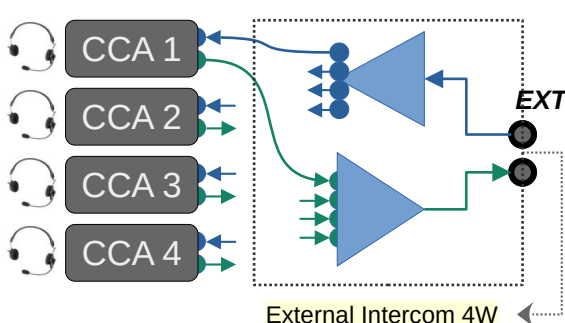
- 1) Call Out / GPI Out
- 2) Ground
- 3) Timecode In
- 4) Ground
- 5) Ground
- 6) Ground
- 7) Ground
- 8) Tally Green 4 Input
- 9) Tally Red 1 Input
- 10) Tally Red 2 Input
- 11) Tally Red 3 Input
- 12) Tally Red 4 Input
- 13) Tally Green 1 Input
- 14) Tally Green 2 Input
- 15) Tally Green 3 Input

Serial Port Pinout

- 1) RX-
- 2) RX +
- 3) TX -
- 4) 12V (CCU Only)
- 5) 12V (CCU Only)
- 6) TX+
- 7) GPI Out
- 8) Ground

RS422 with 12V Out to energize RCP

Intercomm Concept (without IBS)



Headset Pinout

- 1) Microphone
- 2) Ground
- 3) Headphone R
- 4) Headphone L

Timecode / Tally

- 1) Tally Green Out
- 2) Ground
- 3) Timecode Out
- 4) Tally Red Out

Note - Safety

It's not mandatory but we suggest to disable Power to Camera with ENABLE Buttons on CCU before unplugging Hybrid Cables to avoid any spikes in SMPTE connectors.

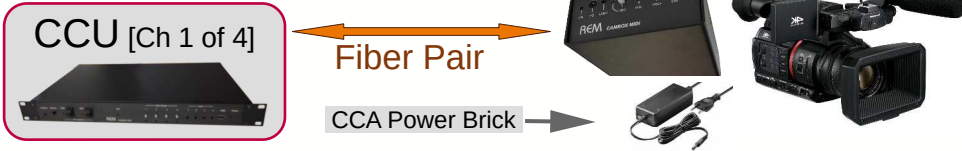
Do Not Open CCU/ORH or unplug mains and read the service manual before operate

Cambox MIDI

Multi-brand FOUR Cameras Hybrid System

LIVE PRODUCTION Mixed LINK Applications

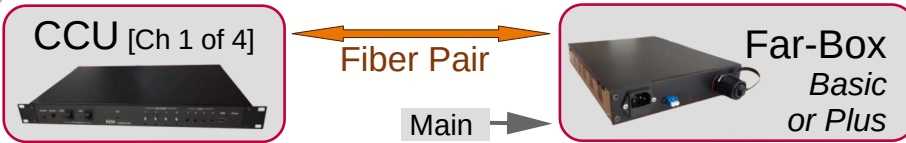
1 Fiber Pair to CCA with local power



Camera with Adapter [CCA]



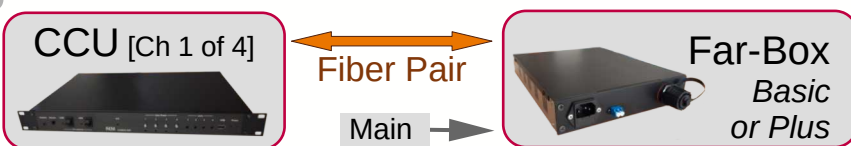
2 Fiber Pair to Wall Box then Hybrid Rugged Cable to CCA



Sony, Panasonic, Canon, JVC,...



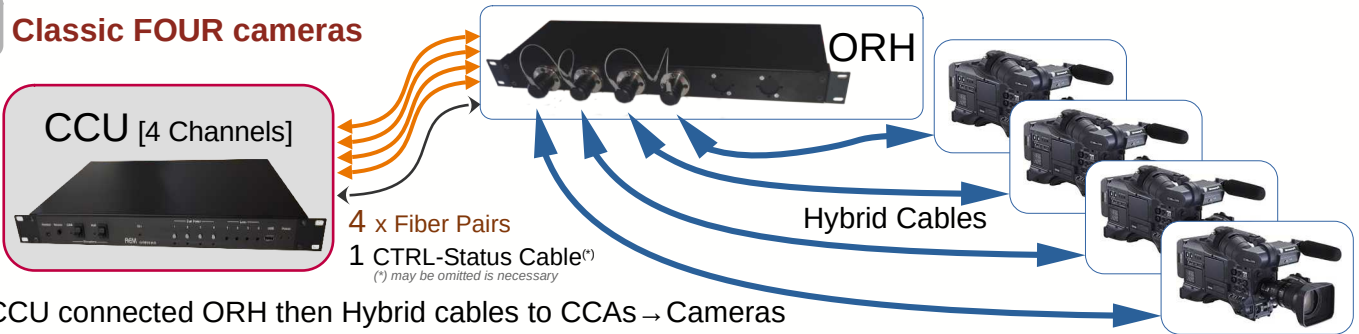
3 Fiber Pair to Wall Box Plus with Local Dual SDI Out



PLUS available october 2022



4 Classic FOUR cameras



5 Structured (Multiple System)

