REM
Fiber Solutions

Cambox Synthesis
Concepts & Signals Path

Commentary Station via Fiber/Hybrid Link

VIDEO		AUDIO
3G-SDI (←HDMI)		Microphone 1
3G-SDI	Console / DCU	Microphone 2
3G-SDI (← DMI)		Talk Back 1
3G-SDI		Talk Back 2
DATA		Program 1
Ethernet / FlexyBus		Program 2
RS422	Fiber Pair or Hybrid	Return 1
Tallies / GPIs		Return 2
POWER		Mic 3 / Tie-Line 5
DC (Hybrid Opt.)		Mic 4 / Tie-Line 6
	Commentary ComMEDIA	Tie-Line 5 (+BT)
		Tie-Line 8 (+BT)

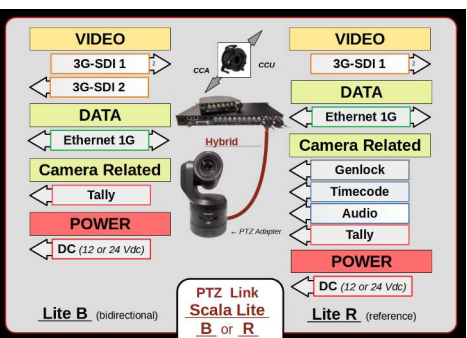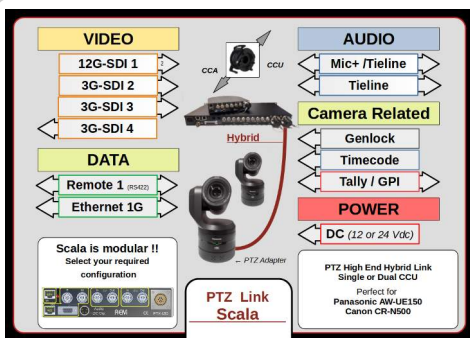| VIDEO		AUDIO
3G-SDI		Microphone 1
3G-SDI	Console / DCU	Microphone 2
3G-SDI (Option)		Talk Back 1
		Talk Back 2
DATA	Fiber Pair	Program 1
RS422		Program 2
Tallies / GPIs		Return 1
		Return 2
ComMEDIA simplified version Useful for Fly-Case Lite Sports Event comment	Commentary ComMEDIA Lite	Mic 3 / Tie-Line 5
		Mic 4 / Tie-Line 6
		Tie-Line 5 (+BT)
		Tie-Line 8 (+BT)

Double Commentary Audio-Video via Fiber Pair or Hybrid (SMPTE)

Full featured with integrated Video In/Out
Two commentators plus two hosts

Redundant Fiber Switch !!!

Stazione Commentatore Integrata su Fibra
ComMEDIA

High-End PTZ Camera Fiber or Hybrid Link

VIDEO		AUDIO
12G-SDI 1		Mic+ /Tieline
3G-SDI 2	CCA / CCU	Tieline
3G-SDI 3		**Camera Related**
3G-SDI 4		Genlock
DATA	Hybrid	Timecode
Remote 1 (RS422)		Tally / GPI
Ethernet 1G		**POWER**
	~ PTZ Adapter	DC (12 or 24 Vdc)
Scala is modular !! Select your required configuration	PTZ Link Scala	PTZ High End Hybrid Link Single or Dual CCU Perfect for Panasonic AW-UE150 Canon CR-N500

VIDEO		VIDEO
3G-SDI 1		3G-SDI 1
3G-SDI 2	CCA / CCU	**DATA**
DATA		Ethernet 1G
Ethernet 1G	Hybrid	**Camera Related**
Camera Related		Genlock
Tally		Timecode
POWER	~ PTZ Adapter	Audio
DC (12 or 24 Vdc)		Tally
	PTZ Link Scala Lite B or R	**POWER**
Lite B (bidirectional)		DC (12 or 24 Vdc)
		Lite R (reference)

PTZ Camera Hybrid Interface (SMPTE)
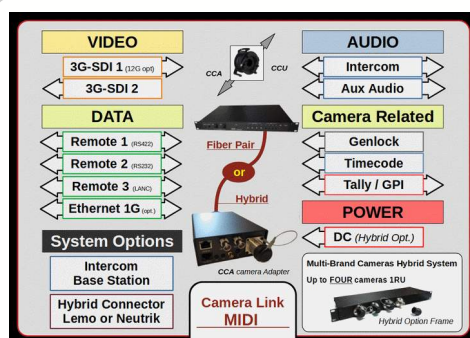
SCALA is the perfect solution for your
TOP gamma PTZ cameras like:

**Panasonic AW-UE 150
Canon CR-N500**

Widely configurable

Various Modules

Multi-Brand Camera & PTZ Fiber or Hybrid Link

VIDEO		AUDIO
3G-SDI 1 (12G opt)		Intercom
3G-SDI 2	CCA / CCU	Aux Audio
DATA		**Camera Related**
Remote 1 (RS422)		Genlock
Remote 2 (RS232)	Fiber Pair or Hybrid	Timecode
Remote 3 (LANC)		Tally / GPI
Ethernet 1G (opt.)		**POWER**
System Options		DC (Hybrid Opt.)
Intercom Base Station	CCA camera Adapter	Multi-Brand Cameras Hybrid System Up to FOUR cameras 1RU
Hybrid Connector Lemo or Neutrik	Camera Link MIDI	Hybrid Option Frame

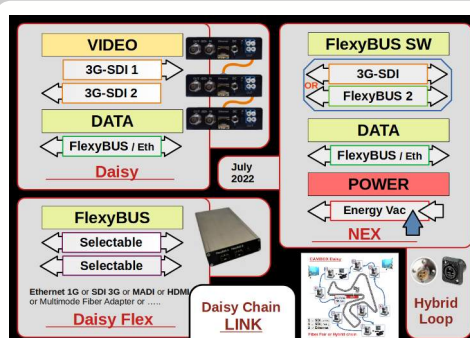### Camera - Camcorders Fiber or HYBRID Link

MIDI is a complete Camera Link
Fiber Pair or SMPTE connections

Transform ANY Camera or Camcorder Ia a Full Featured Studio Camera

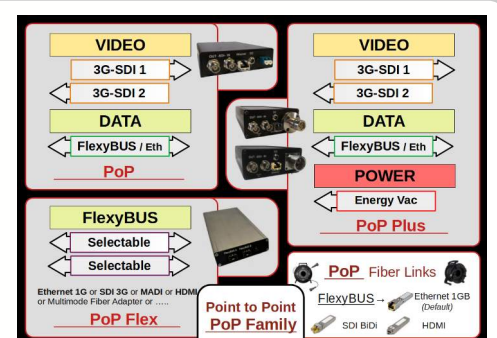Already used with Cinema Cameras
like Sony Venice or FX-9

Transform your Camcorder into a Full Featured Studio Camera
CCU Cambox Control Unit 1 2 3 4
Fiber Pair or Hybrid Rugged Cables
CCA Camera Adapters
Perfect for Fly-Case or OB-Van
Camera Link MIDI
Multi-Brand Cameras Hybrid System Up to FOUR cameras 1RU
Hybrid Option Frame

General Purpose Fiber or Hybrid Link

VIDEO		FlexyBUS SW
3G-SDI 1		3G-SDI
3G-SDI 2		FlexyBUS 2
DATA		**DATA**
FlexyBUS / Eth		FlexyBUS / Eth
Daisy	July 2022	**POWER**
FlexyBUS		Energy Vac
Selectable		NEX
Selectable	Daisy Chain LINK	
Ethernet 1G or SDI 3G or MADI or HDMI or Multimode Fiber Adapter or		
Daisy Flex		Hybrid Loop

Flexible Fiber Link Daisy-Chain-able or Point to Point

FlexyBUS allow selection of secondary signal transport to **3G SDI** BiDirectional Ethernet / Madi /HDMI / Analog Video Second SDI bidirectional / ASI

NEXT model using Hybrid Cable allow a Smart Daisy Chain Power Transport

VIDEO		VIDEO
3G-SDI 1		3G-SDI 1
3G-SDI 2		3G-SDI 2
DATA		**DATA**
FlexyBUS / Eth		FlexyBUS / Eth
PoP		**POWER**
FlexyBUS		Energy Vac
Selectable		PoP Plus
Selectable	Point to Point PoP Family	
Ethernet 1G or SDI 3G or MADI or HDMI or Multimode Fiber Adapter or		**PoP** Fiber Links
PoP Flex		FlexyBUS → Ethernet 1GB (Default)
		SDI BiDi / HDMI

REM
Fiber Solutions

Cambox Synthesis
Concepts & Signals Path

Blackmagic URSA dedicated Hybrid Link

① ② ③ ④

NEW Competitive Studio special version **"T"**
Shorter distances internal use like in theatre

Developed to match the request for a compact and efficient system to manage URSA Cameras via Hybrid Fiber Cables without expensive frills !

Up to 4 channels in a single rack Cambox Control Unit (CCU)
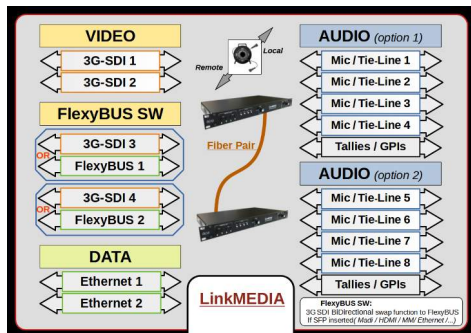Independent / additional Tally
No Latency
Long Distance
No screw to fix to CCA

Fiber Pair CCU

Various Versions:
Lower cost 3G SDI limited version available (Upgradable to 12G)
Hybrid connectors: (SMPTE) or Neutrik OpticalCom DUO
CCU Outputs with Coax or Fiber Pair (optional Monitor Out)
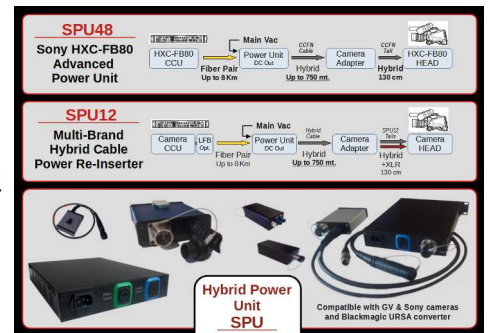CCA Case: classic version or RearFlex

Other Standard Products

Commentary
or StageBox
Fiber or Hybrid Link

SMPTE Power Inserter
ADD Power to Hybrid Cable after a Fiber Pair connection

Customized Fiber / Hybrid Needs?   Just contact us !

RAI National Television: 4K (4 x 3G) plus 10GB Ethernet and Power over Hybrid SMPTE (RIO 2016)

SKY Italia: 4K (4 x 3G) plus 3G plus 1GB Ethernet
Fiber Pair with Fiber Redundancy AutoSwitch
(Host to Stadium Encoder 2019)

Stadio Meazza   Milano
Champions League 2021
Inter - Shakhtar Donetsk

Coppa Davis
Torino 2021

DAZN Serie A 2021
Atalanta Venezia BG

12 Scala used in this event by RAI Italian National Television

Cambox DUO 2016

Cambox URSA in Tour – Jovanotti / Vasco