The Smart Camera Control Unit (CCU-S) for Atom Cameras

Are you using an **Atom One** camera and looking for a fiber extender to connect your remote polecam, spidercam or PTZ-Cam to the OB-Van or to the control room?

The Atom-CCU systems from Vietex Media Germany are the right solutions for you in 3 levels!

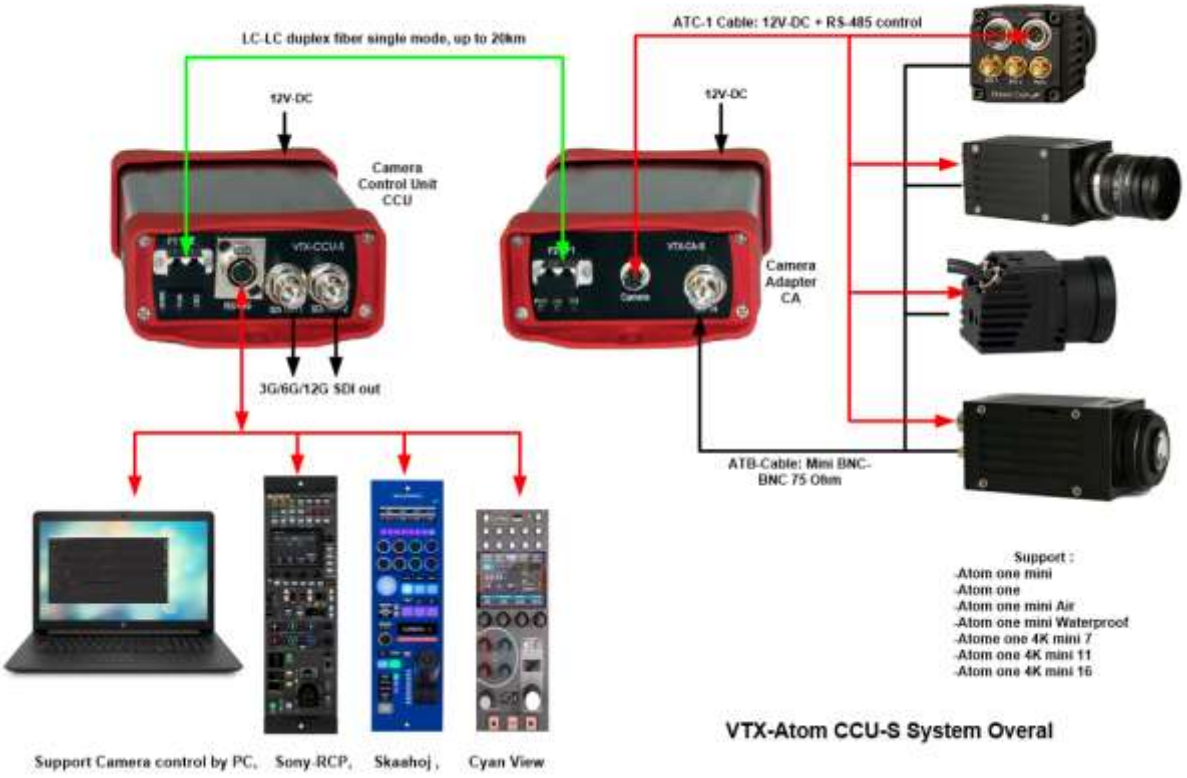
- If you work without Genlock and PTZ head, you can choose the cost-effective **Atom CCU-S (Smart).**

- **The Atom CCU-U (Universal)** is a more advantage sytem, which enables the integration of two channels into one 19" 1HU base unit. The RS-485 converters for Sony, Skaahoj or Cyanview RCP's can be installed inside of the 19" chassis, so that no special cable is required. The additional Ethernet link offers the second control for PTZ-Heads or other equipment. Genlock with black burst or tri-level-sync is also available. The camera adapter (CA) can be powered by DC-Adapter or by batteries on V-mount.

- For the Super-Slow-Motion Camera SSM 500 with cameraman, you need the Atom **CCU-E (Extended),** a full range fiber system with hybrid cable, which deliver: Power supply, intercom, tally, audio, video, sync, return ect.

1- The Atom CCU-S system features

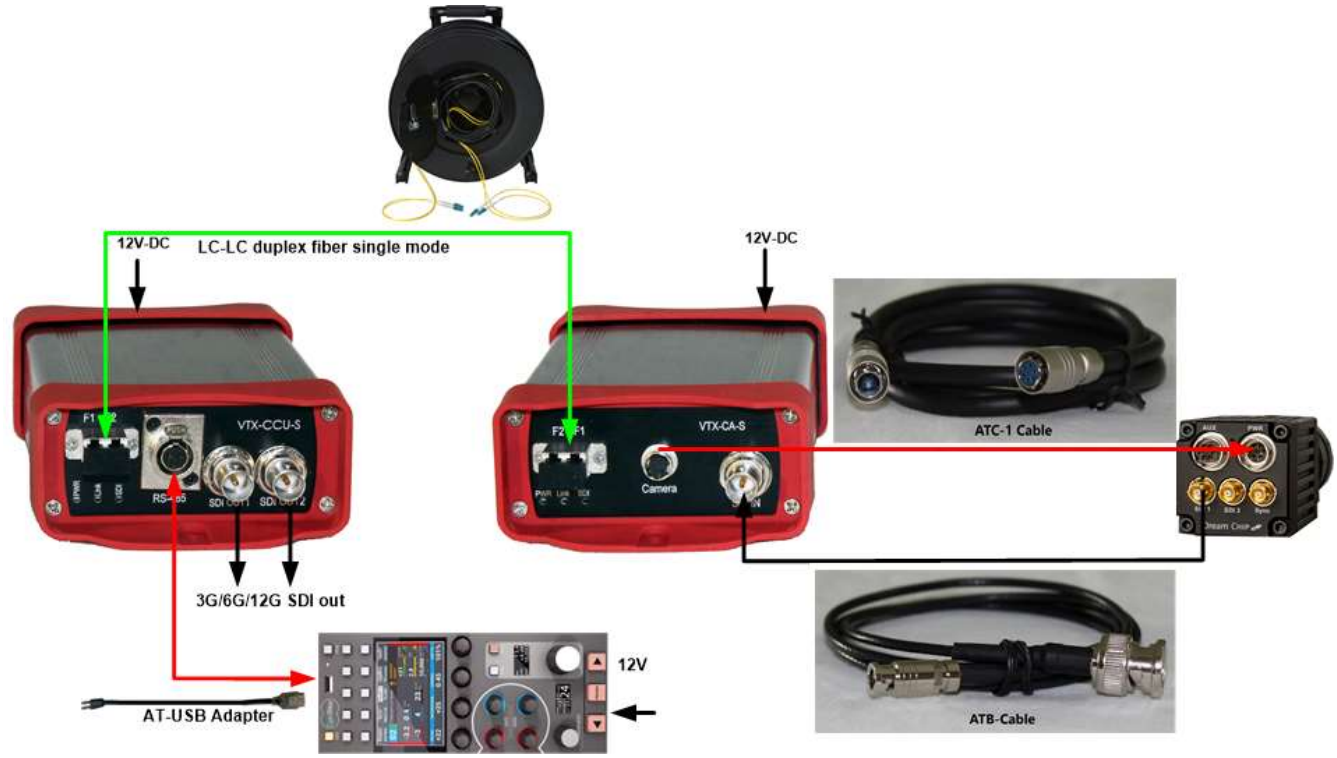
- A pair of compact and light weight, shock protected, splash water proof boxes, connected together by tactical duplex single mode fiber
- Support all 3rd party Atom conforming RCP's with external adapter, wiring and power supply



For each application with 3rd party RCP's, there are some configurations with optional cables and converters:

2- Operation with Provideo Software from a laptop + an Atom-USB-Adapter (AT-USB)

3- With Cyanview RCP + AT-USB adapter



Cyan View RCP with 2x USB Ports can be connected directly to 2 x CCU's by USB-RS485 adapter to control 2 cameras with different ID (1, 2)

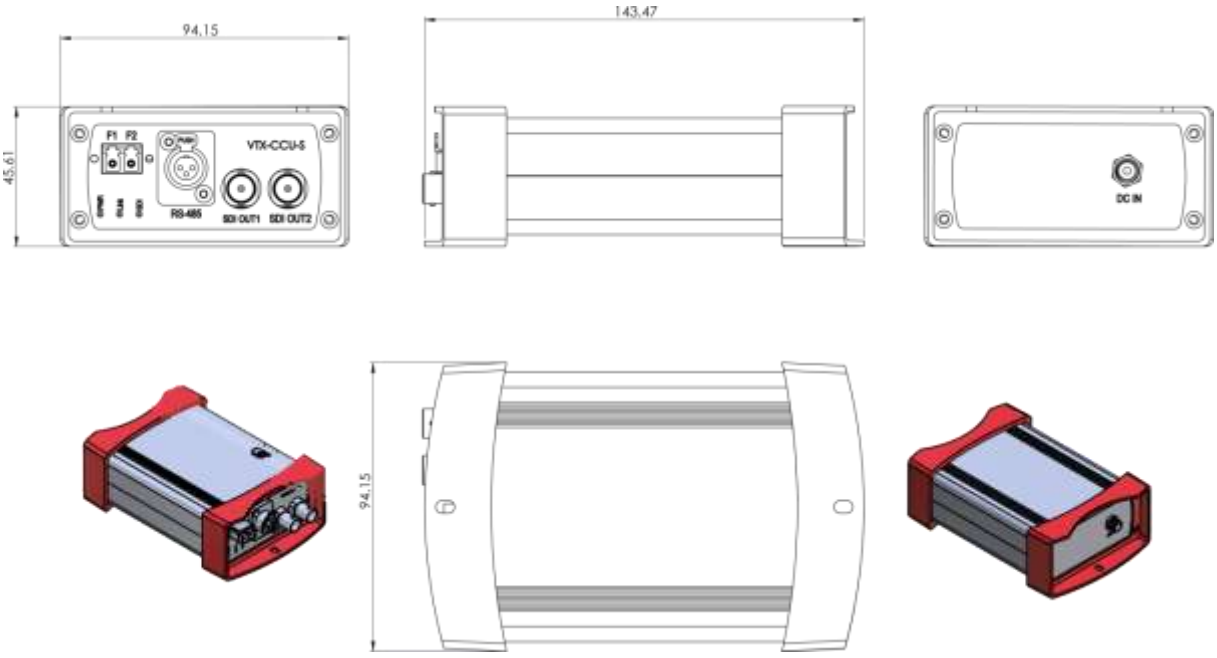
4- With Sony - RCP + Wico Box + CCA-5 Cable + ATC-2 Cable

5- With Sony RCP + CCU-1 converter from BC-Electronics

The CCU-1 converter from BC-Electronic support multicam and has his own cable set in the package

6- With Skaarhoj V1 or V2 + Ethernet-RS485 Converter + ATC-3 cable + LAN-Switch

7- Mechanical design



8- Specifications:

VTX-Atom Camera Adapter Smart (VTX-CA-S)	
I/O Connectors	
Fiber	Dual LC-Duplex Singel mode
SDI-In: Autodetect HD/3G/6G/12G	1 x BNC SMPTE ST-2082, ST-2081 424M, 344M, 292M, 259M, DVB-ASI,
Camera connector	1 x 6pin Hirose: RS-485 half duplex, 12 V-DC,
Power	Lockable connector 12V-DC. Power depending on the PSU, max 60W
General	
Body Size	143 mm x 94,5 mm x 45 mm LxWxD
Weight	0,2 kg
Power Consumption	Approx. 3,6W (without camera)
Operating temperature	0°C to 45°C (32°F to 112°F)
VTX-Atom Camera Control Unit Smart (VTX-CCU-S)	
I/O Connectors	
Fiber	Dual LC-Duplex Singel mode
12G SDI-Out	2 x BNC SMPTE ST-2082, ST-2081 424M, 344M, 292M, 259M, DVB-ASI,
Remote Control	Mini XLR 3pin for RS-485 half duplex
Power	Lockable connector 12V-DC. Power depending on the PSU, max 60W
General	
Size	143 mm x 94,5 mm x 45 mm LxWxD
Weight	0,2 kg
Power Consumption	3,6W
Operating temperature	0°C to 45°C (32°F to 112°F)
System Optical Budget	
TX-Output power	- 4 dBm
RX-Sensitivity	- 18 dBm
Fiber distance	20 km

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