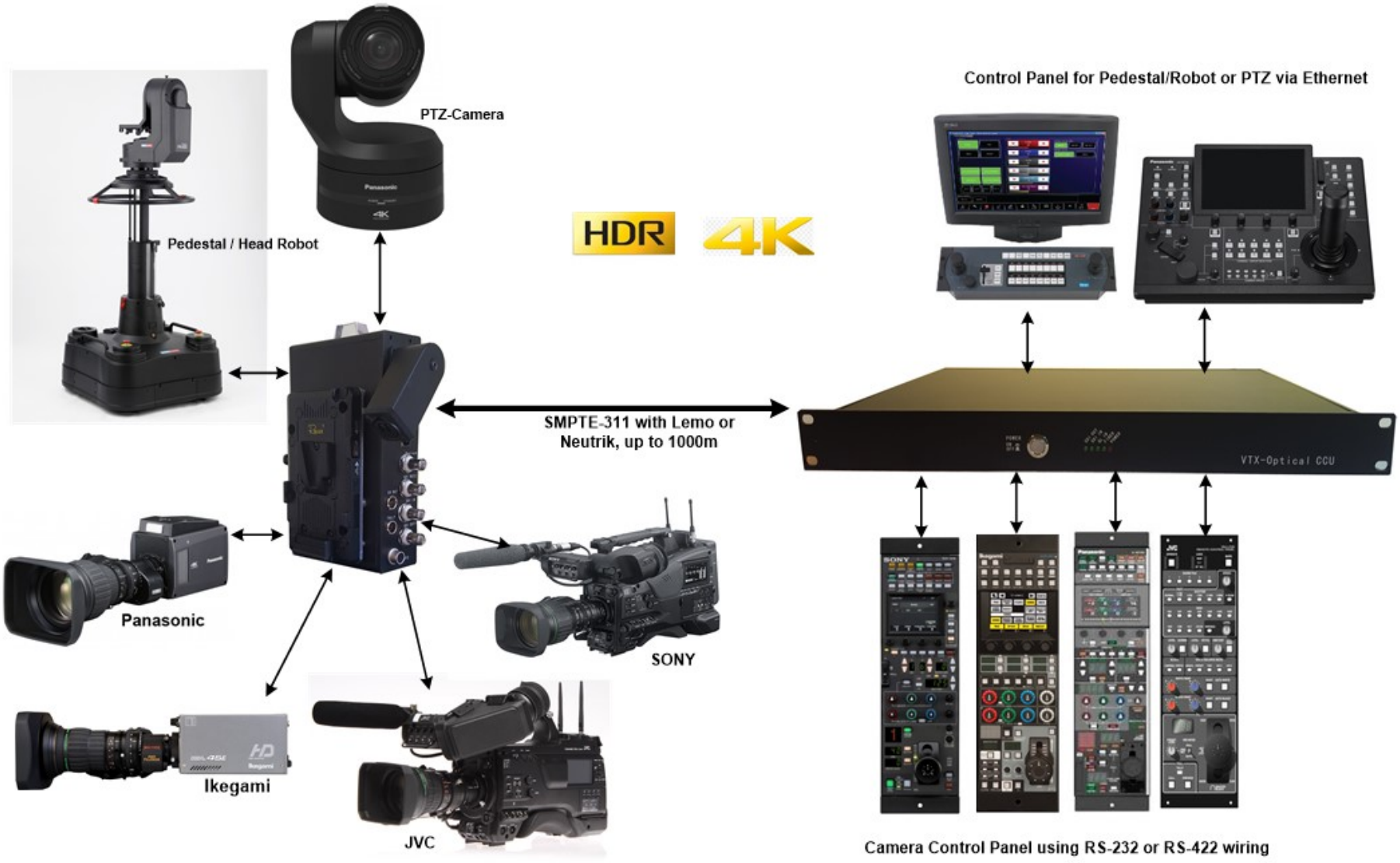
VTX-Q4K – The optical CCU with largest scale of applications possibilities

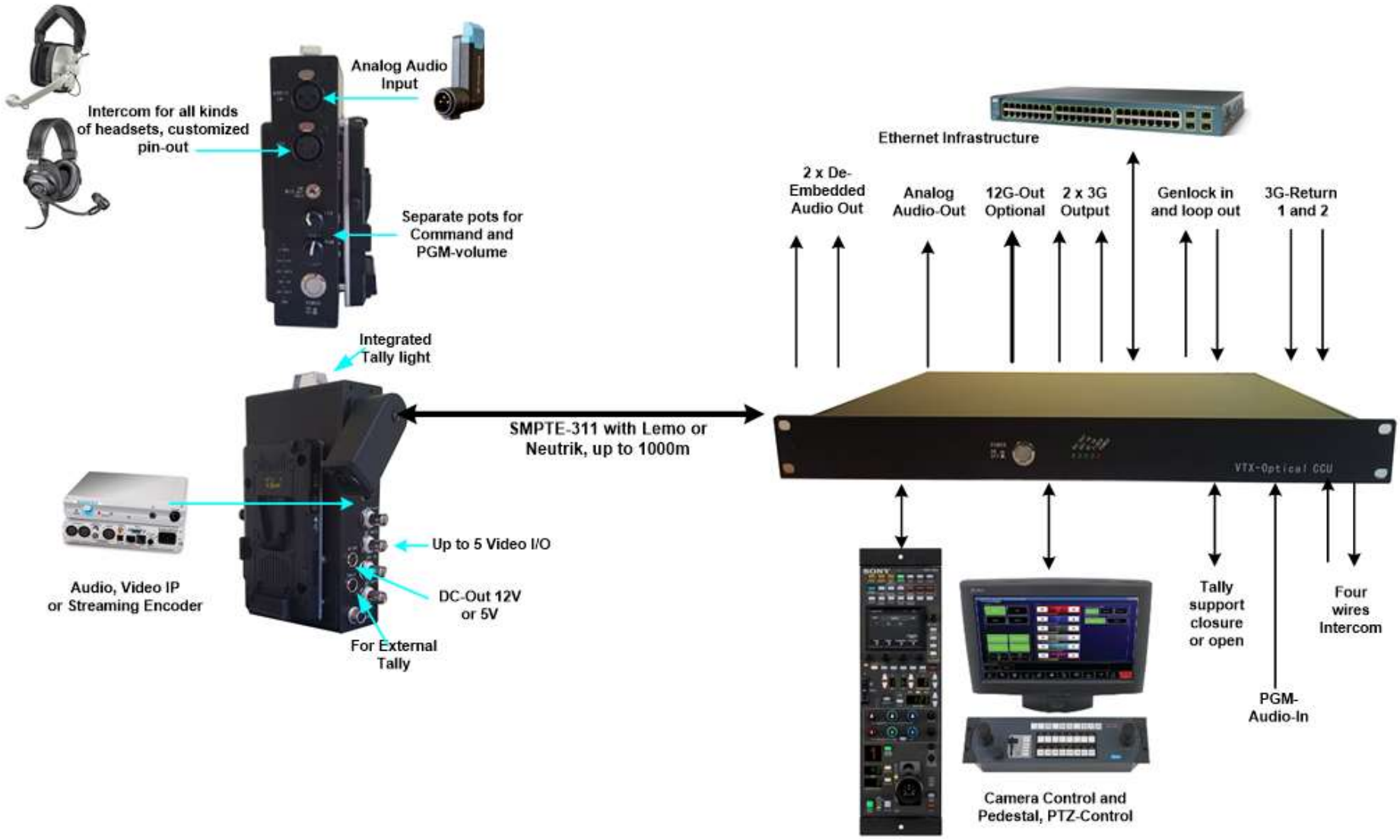


The new generation of VTX-Optical CCU is the most customized CCU in the broadcast industry. Almost all customer wishes can be fulfilled:

- The CCU support SONY, PANASONIC, IKEGAMI and JVC Telemetry.
- Customer can use the existing Neutrik or Lemo SMPTE 311 cables.
- Even if you want to place certain connectors in to the front panel to match the patch panel on your rack, no problem!
- High power supply 100W across a distance up to 1000m as standard

- Camera Head Unit with integrated Tally-Light and Tally-Out connector for 3rd. Tally
- The Intercom connector can be wired according to all existing Headsets with 5 pin, 4 pin or 3 pin-XLR, male or female.
- Full legacy inputs/outputs including:
  -Two 3G-SDI outputs
  - One 12G-SDI output (additional option)
  -Three sets of 3G-SDI/HD-SDI/SD-SDI and analog composite return video inputs
  -Built-in LAN interface (10BASE-T/100BASE-TX)
  -RS-422A or RS-232C for Sony, Ikegami, Panasonic and JVC-Camera Control panel
  -Three-Channel Audio outputs (2 x from SDI-embedded, 1 x analogue)
  -Extra 5VDC or 12VDC-Output for peripheries

Flexible connectivity



Specifications

Camera Head Adaptor CA	
I/O Connectors	
Fiber	Lemo or Neutrik OptcalCon Duo
3G SDI In	1 x BNC, 270Mbit/s, 1.48Gbit/s, 2.97Gbit/s, 5.94Gbit/s, 11.88Gbit/s
12G SDI-In (Additional-Option)	1 x BNC SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M, 259M
3G SDI-Out 1	1 x BNC, 270Mbit/s, 1.48Gbit/s, 2.97Gbit/s, 5.94Gbit/s, 11.88Gbit/s
3G SDI-Out 2	1 x BNC, 270Mbit/s, 1.48Gbit/s, 2.97Gbit/s, 5.94Gbit/s, 11.88Gbit/s
Genlock Out	1 x BNC, SMPTE ST274, tri-level sync, 0.6 Vp-p, 75 Ω SD: Black burst (NTSC: 0.286 Vp-p, 75 Ω/PAL: 0.3 Vp-p, 75 Ω) or NTSC 10F-BB
Ethernet	1 x RJ-45 10/100 mbps
Tally-Out	1 x 3 Pin Mini XLR, protected by 200 Ω Inline Resistor
DC-Out	1 x 4 Pin Mini XLR Fuse protected 12V/3A or 5 V/2A DC
Remote Control	Can be made for Sony, Ikegami, Panasonic or JVC Camera
Intercom	Can be XLR Male/Female, 3,4,5 pin, according to customer's Headset
Audio-In	1 x XLR-3 Pin female -20dB - +4 dB
General	
Body Size	181 mm x 114 mm x 45 mm LxWxD
Weight	1,5 kg
Power Consumption	Approx. 8W (without camera)
Operating temperature	0°C to 45°C (32°F to 112°F)

Camera Control Unit CCU	
I/O Connectors	
Fiber	Lemo or Neutrik Optcal Con Duo
3G SDI out	2 x BNC, 270Mbit/s, 1.48Gbit/s, 2.97Gbit/s, 5.94Gbit/s, 11.88Gbit/s
12G SDI-Out (Optional)	1 x BNC SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M, 259M
3G SDI-In 1	1 x BNC, 270Mbit/s, 1.48Gbit/s, 2.97Gbit/s, 5.94Gbit/s, 11.88Gbit/s
3G SDI-In 2	1 x BNC, 270Mbit/s, 1.48Gbit/s, 2.97Gbit/s, 5.94Gbit/s, 11.88Gbit/s
Genlock in	1 x BNC, SMPTE ST274, tri-level sync, 0.6 Vp-p, 75 Ω,SD: Black burst (NTSC: 0.286 Vp-p, 75 Ω/PAL: 0.3 Vp-p, 75 Ω) or NTSC 10F-BB
Genlock loop out	1 x BNC, SMPTE ST274, tri-level sync, 0.6 Vp-p, 75 Ω, SD: Black burst (NTSC: 0.286 Vp-p, 75 Ω/PAL: 0.3 Vp-p, 75 Ω) or NTSC 10F-BB
Ethernet	1 x RJ-45 10/100 mbps
Tally-in	Can be in Sub-D 9 Pin or XLR 3 pin, support closure to Low or High-Level
Remote Control	Can be made for Sony, Ikegami, Panasonic or JVC Camera
Audio-out	1 x XLR-3 Pin male -20dB - +4 dB
Embedded Audio out	2 x XLR-3 Pin male -20dB - + 4dB
Command In	1 x XLR-3 Pin female -20dB - + 4dB
PGM-Audio-In	1 x XLR-3 Pin female -20dB - +4 dB
General	
Size	19" 1HU, 35mm deep
Weight	4,5 kg
Power Consumption	9 W without camera adapter. Max 130W(with camera + periepheries
Operating temperature	0°C to 45°C (32°F to 112°F)

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