

# VirtU 32

## All-IP core infrastructure & media signal processing hub w/32 processing slots

The VirtU all-IP core infrastructure and processing platform provides an extremely dense array of Riedel MuoN software-defined SFP IP processors in just 1RU. Designed to address media signal processing and SDI-to-IP conversion for mission-critical and HD up to UHD IP production environments, the platform allows users to build their key advanced processing power modularly as their needs grow!

The VirtU 32 core processing frame can be used as:

- 32 channels IP-to-IP bulk Up/Down/Cross Conversion
- 32 channels IP-to-IP bulk HDR conversion
- 64 channels bulk UHD ST2110 – SDI gateway
- 32 audio matrices, each one with 2048x2048 audio channels
- 64 IP-to-IP bulk JPEG-XS encode/decode
- 512x32 IP-to-IP Multiviewer
- Or any combination of these functions in a single RU frame

The mission-critical frame construct provides 8x independent clusters, each one with MuoN Processing SFPs connecting to a dual set of uplinks for integral support of ST2022-7 hitless redundancy.



### Features:

- 32 Processing SFPs in a single RU space
- 8 independent processing clusters
- Full support of ST2022-7 with dual uplinks fiber
- Selectable network interfaces 100/40GE
- Software-defined processors including: ST2110 Gateways, JPEG-XS Encode/Decode, Up/Down/Cross Conversion, HDR conversion, Multiviewer, Clean Switching, Color Correction, Frame Sync
- Available redundant power supply

### Benefits

- Virtualized! Fits anywhere!
- Optimize bandwidth to your core
- Virtually no point of failure
- Passive hub = full resiliency
- Support for SD-up-to-UHD IP production
- Modular - build as you grow!
- Minimize OPEX!
- Highly robust solution

### Specifications:

- Dimensions: 43mm(H)x 435mm(L) x 394mm(D)
- Power consumption: 450w Maximum
- Weight: 5.4 Kilograms
- I/O Ports: 32 ports, 10 or 25GE
- Up-link ports: 16 ports, 40GE or 100GE

### Ordering Info:

Frame can be populated with MuoN-SFP-B devices. Each cluster can house up to 4 SFP operating at the same rate. The Uplink module selection is a factor of 4 times the host speed rate of the MuoN SFP. Only use recommended uplink SFP or cable from Riedel to connect to the core IP switch. Tailor your solution – use the online configurator!