Strada

Routing solutions

Finding your best route
to peace of mind

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MediaInfra Strada

A phased transition from SDI to IP

MediaInfra Strada® is a complete routing solution designed to control your media workflows, providing you with IP connectivity with the option to connect your SDI devices. Consisting of an advanced customizable router control system, optional high-density SDI to IP gateways, and switches from EVS' premium solution partner Arista, Strada comes as a drop-in replacement for an SDI router, while enabling you to grow into a full IP backbone with minimum effort.

Main markets applications

- Outside broadcast truck or flypack
- Major events services
- Hybrid production centers
- Transmission, playout and MCR
- Production for government and legislative institutions

Strada
High level overview

Strada is a complete routing solution designed to **control your media workflows,** providing you with the best of both worlds: **open for IP** while still offering the option to **connect your SDI devices.**

In all cases, Strada will be delivered with all required components, **including:**

- Scalable IP and SDI inputs and outputs
- High density (compared to SDI router)
- Frame-syncs and Audio (de-)embedding on all SDI channels
- Offset delay up to 30 frames per SDI channel (optional)
- Video, audio and ancillary data encapsulation to ST2110 streams
- IP routing with NMOS IS-04 and IS-05 support
- Services include configuration of the media IP fabric
- Optional Shuffle (audio matrix) and View (Multiviewer)

Why ?

#1 SDI router replacement

#2 Future proof

#3 Peace of mind

#4 Familiar operation and UX

#5 Low power consumption

How ?

Optional and flexible SDI I/O to fit your exact connectivity requirements

Native IP connectivity from the start, with the ability to grow with native IP devices as well as SDI I/O

includes services and configuration by EVS' field proven 24/7 one-stop support

Through the pre-made router panels, operators will not notice the difference between switching SDI or IP sources

Leveraging Strada Bridge gateways to connect your SDI devices to the IP domain only consumes 5W per I/O

Anatomy of a Strada router

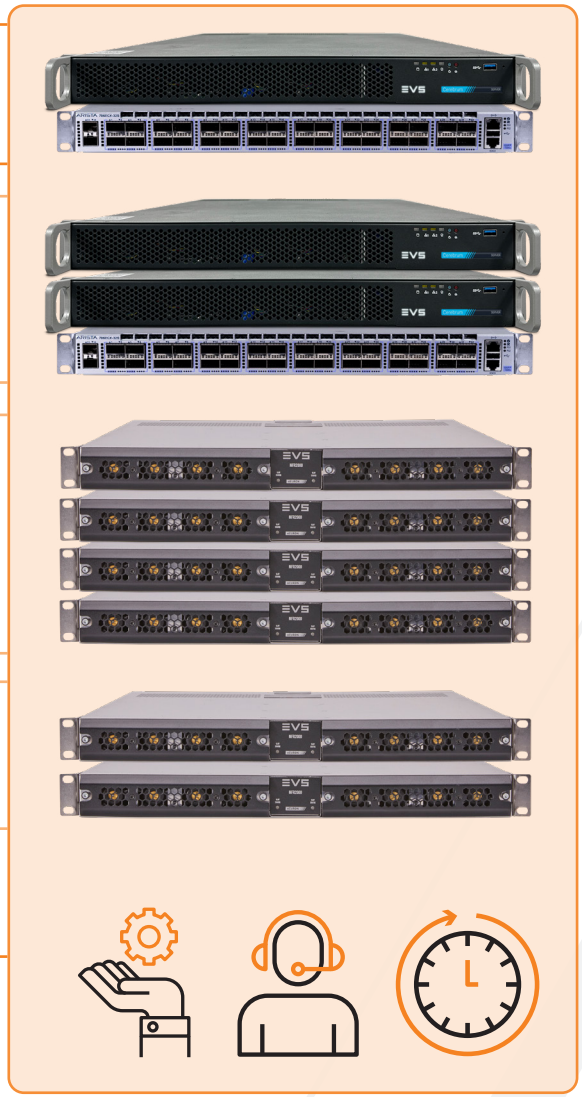
Cerebrum routing control system
+ Arista network fabric

+ Optional redundant IP fabric and Cerebrum servers

+ Optional Neuron Bridge SDI ↔ IP Gateways

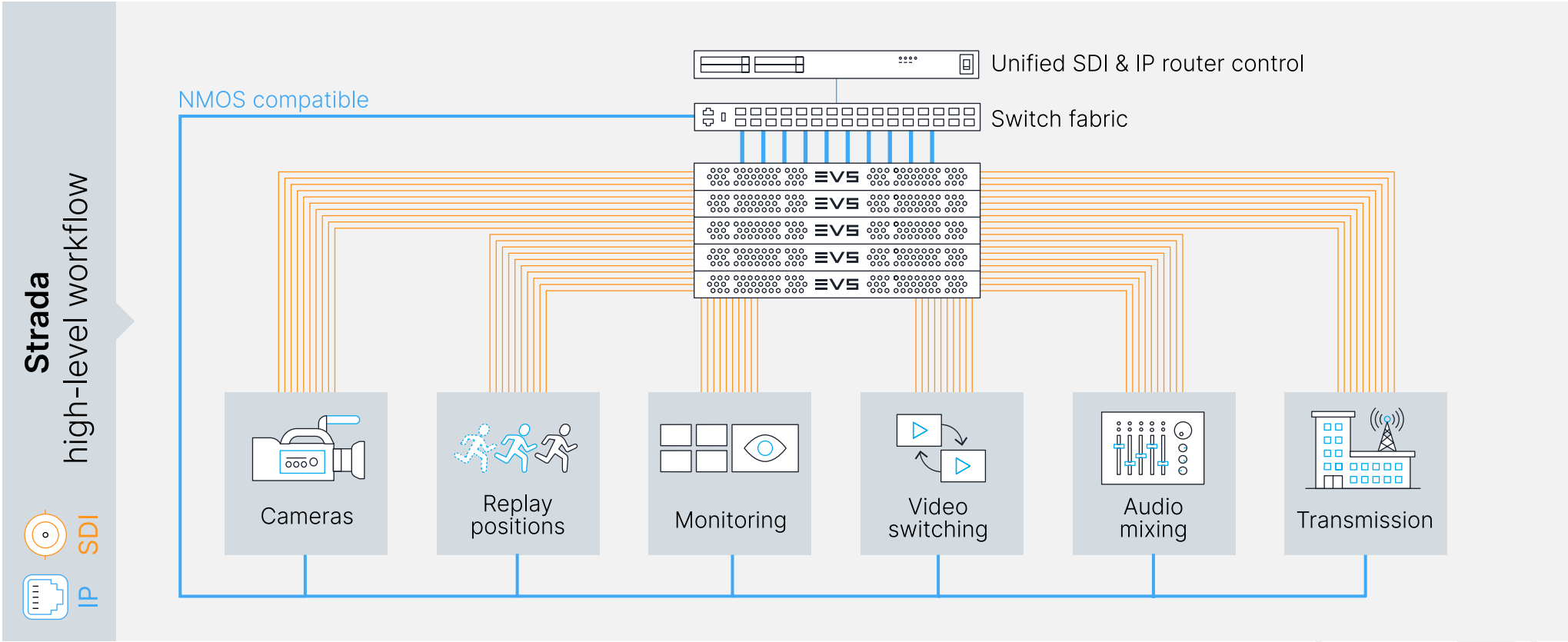
+ Optional Neuron View multiviewers and Shuffle audio matrixes

+ Commissioning services of all IP routing functions
+ 24/7 after-sales support



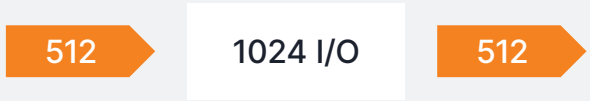
Signal workflow

When SDI I/O are required, multiple video and audio streams are routed from and to the dedicated Neuron Bridge modules to allow SDI ↔ IP bridging and frame synchronization, and optional color correction, audio (de)embedding, UHD remapping and mono-level audio shuffling. This allows you to keep using your SDI-based equipment exactly the way you're used to, while being able to plug in NMOS-compatible ST2110/ST2022-based devices at any time you want. Through the unified SDI and IP routering in Cerebrum, you can control both domains using the same router control interfaces.

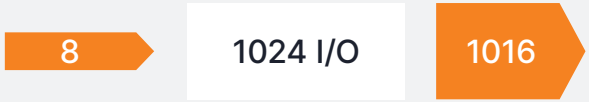


Flexible SDI I/O configurations

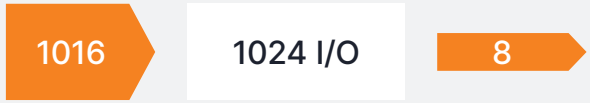
SDI I/O is connected to the optional Neuron Modules, which in turn are connected to the non-blocking Arista IP Fabric. These signals can be freely routed throughout the system with vertical switching accuracy. The flexible configuration of each Neuron Module allows for the 32 coaxial connections per module to be configured either as 16x16, 8x24, 24x8, 32x0 or 0x32 I/O*. This agnostic approach to I/O enables a large amount of flexibility for how the system is used.



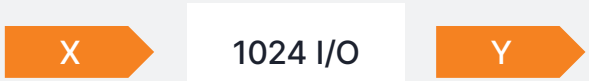
A 1024 I-O router solution can be configured as 512x512



But also as 8x1016



Or as 1016x8

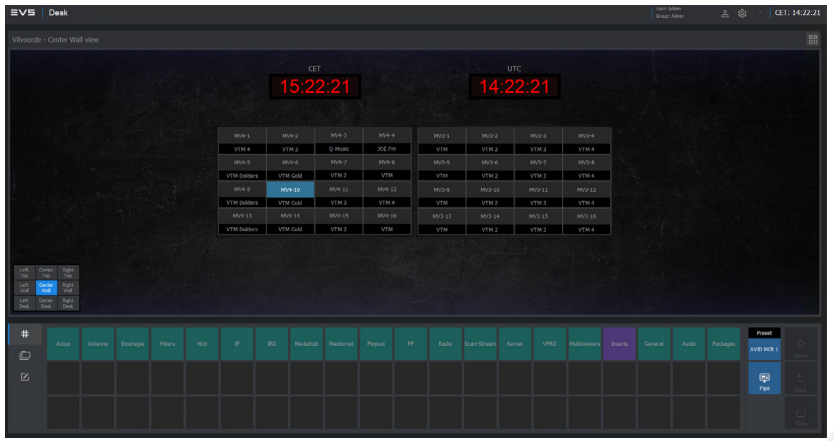


Or any other I/O configuration

* indicated are the number of full HD channels.

Familiar routing interfaces

MediaInfra Strada arrives pre-configured to allow routing between sources and destinations, wether it's IP or SDI, using a default X/Y matrix or advanced routing GUI from a Cerebrum windows or web-based client. We've designed a set of premade UI packages which already include most of the required functionality for Advanced Routing, Desk Control and Flexible XY routing panels. Alternatively, when hardware panels or other control customisations are needed, these can be ordered as additional items.



Contact us to book a live demo

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