

TECHNOLOGY THAT
SETS YOU FREE

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Introducing Panasonic Live Production Suite (LPS)*

Live Production Suite is an IT/IP resolution-independent platform, based on software and processing power (CPU/GPU) that can be freely allocated by the user.

Live Production Suite is not a dedicated tool : it can serve many purposes and is totally flexible and scalable thanks to its open architecture.

The first application of Live Production Suite will be a new-generation broadcast switcher.

*working name

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Introducing Panasonic LPS

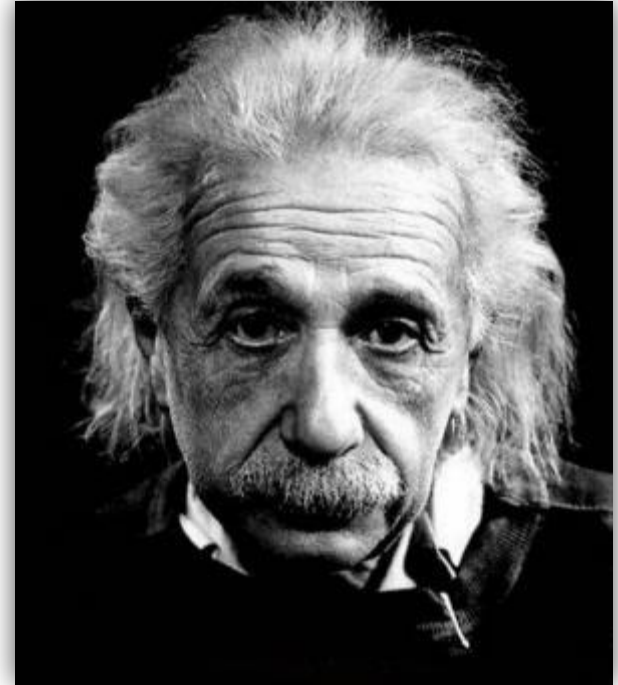
Panasonic MediaSuite presentation



The Simplest Way. Total Flexibility.
To Do Complex Things. Total Scalability.
The Freedom to Mix. The Best Architecture.

The Simplest
Way.
To Do Complex
Things.

*“The definition of genius is taking
the **complex** and making it **simple**”*



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The Simplest Way to do Complex Things

MediaSuite is an **IT/IP software based solution** with an **open architecture**.

MediaSuite is **not limited in terms of resources** due to its cascadability, the processing power is scalable and can be freely allocated.

Get freedom, not boundaries :

No fixed amount of Mix Effects or Keyers like on a traditional mixer.

MediaSuite offers an unlimited number of Layers instead !



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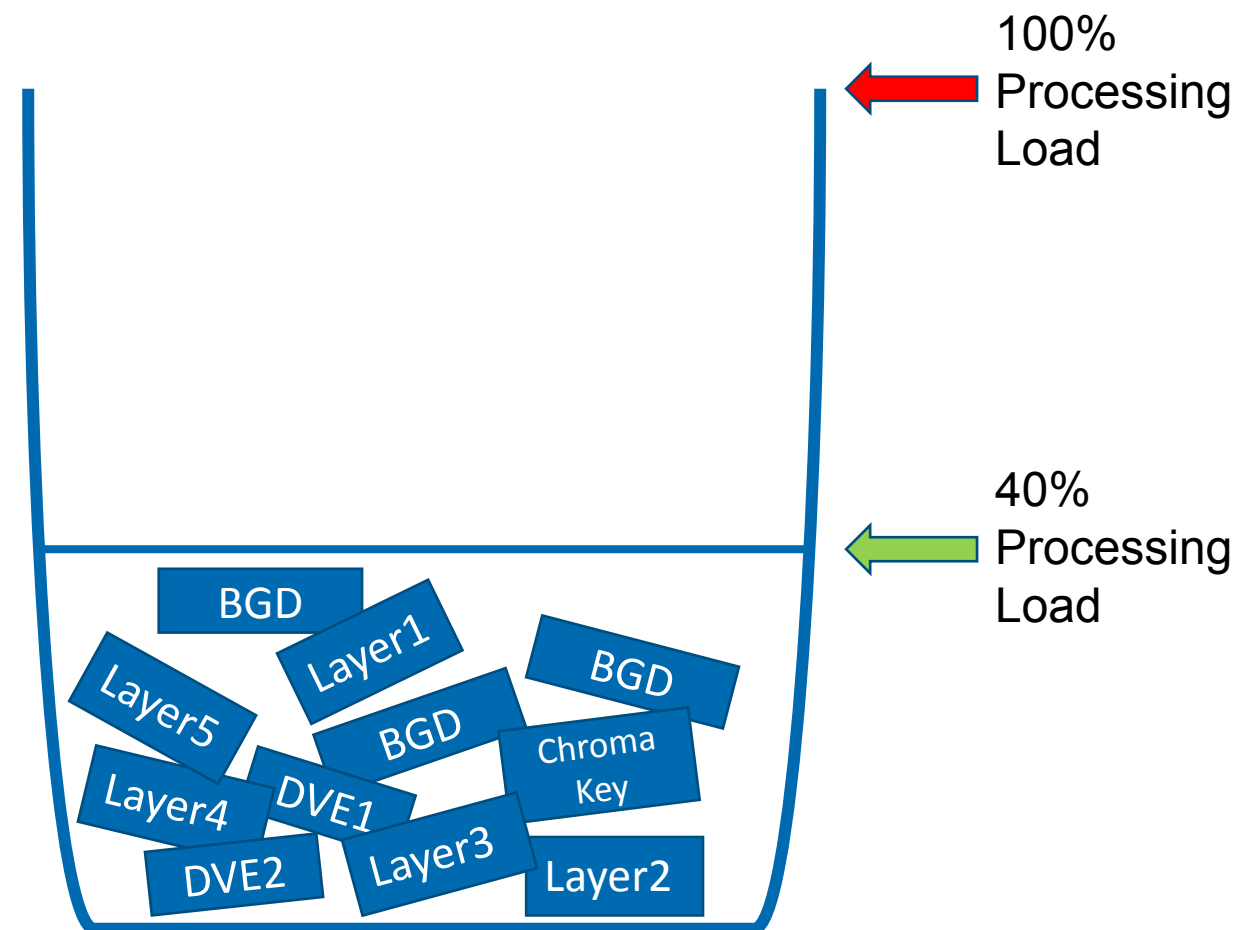
The Simplest Way to do Complex Things

At the core of LPS is the concept of **software video processing**.

The processing power is allocated to have 100% efficiency and no resources are wasted like in an FPGA-based product.

Flexibility and scalability is the key to LPS.

Any Application : the first application of LPS platform will be a new-generation broadcast switcher. And this is just the beginning !



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The Simplest Way to do Complex Things

Get an open mind with LPS!

Everything is much simpler than before...

Full customization of the interface

Easy and unique touchscreen operation

Open to all kind of users and non-switcher specialists

Super networkability

LPS is all about versatility

... and easing up the work !



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Total Flexibility.
Total Scalability.



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Total Scalability, Total Flexibility

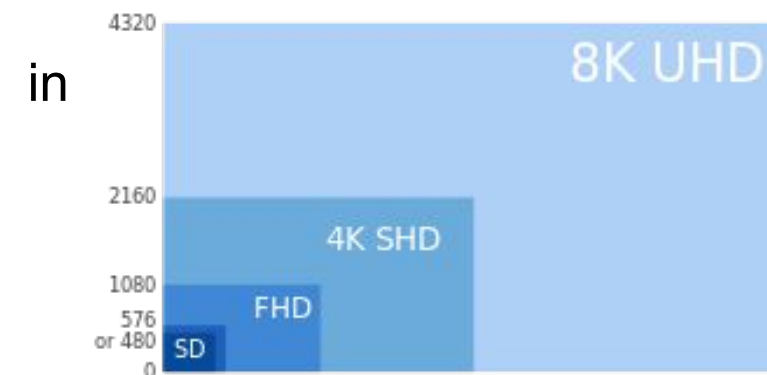
Stretch your system, stretch your potential, stretch your imagination !

LPS runs on standard off-the-shelf IT components.

LPS can serve many purposes and is totally flexible and scalable.

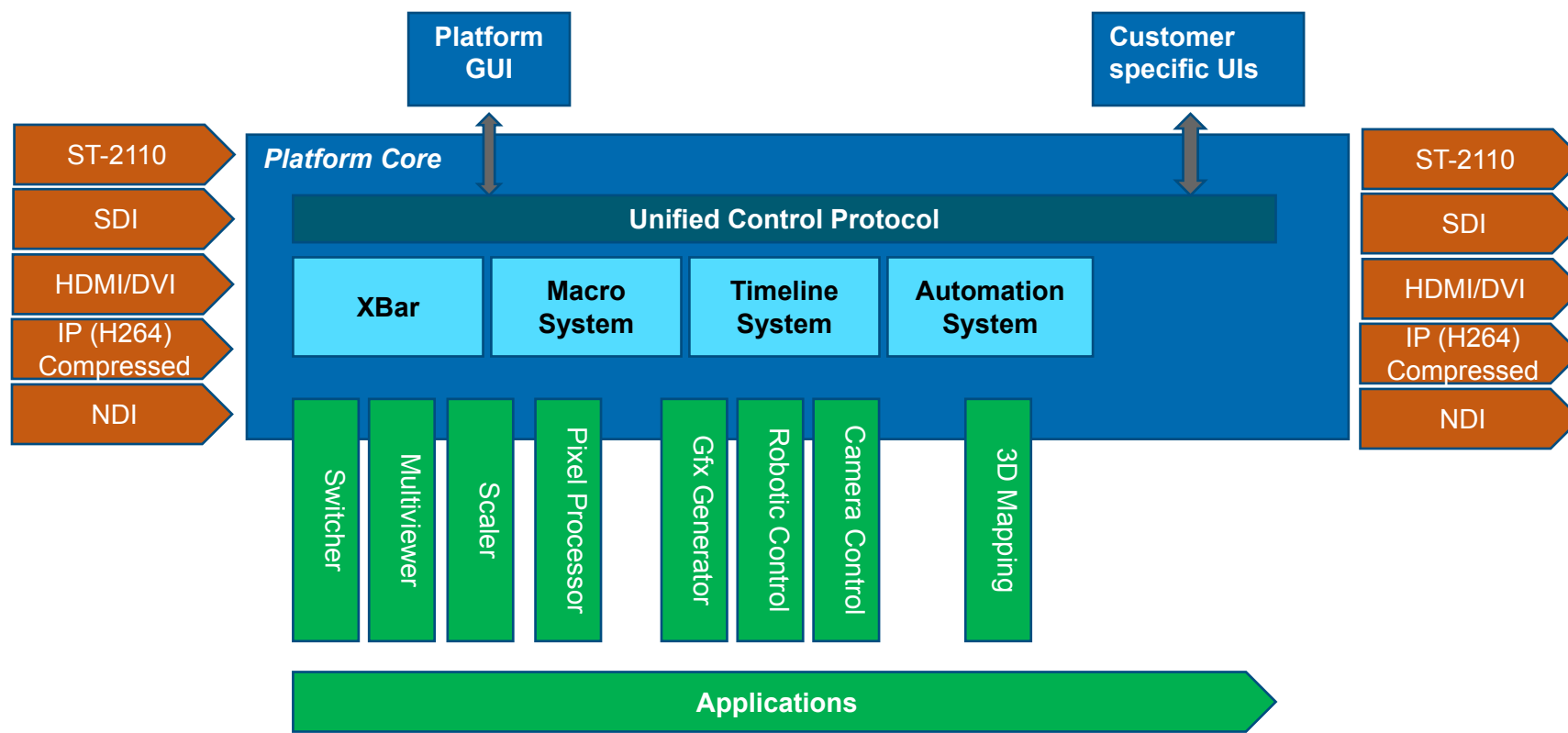
Future Proof : LPS supports all current and future formats, video I/O and picture ratio : **Uncompressed** HD, 3G, 4K... 8K, multi-images and more !

LPS is perfect for the transition to IP !



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Total Scalability, Total Flexibility



Total Scalability, Total Flexibility

Description of the basic system :

1 Rack Unit IT server frame

I/O configuration : 32/16 Full-HD-I/O or 8/4 UHD-I/O or any mix of

Interfaces : ST2110 / SDI (SD/HD/UHD/Quad/2SI) / NDI / DisplayPort 1.2 / HDMI 2.0, etc.

Independent Video formats and Output canvas size

Server / Control Panel OS : Linux

GUI OS : Linux or Windows

High speed Ethernet network (100Gbps)

Integrated, programmable Multiviewers

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The Freedom
to Mix.



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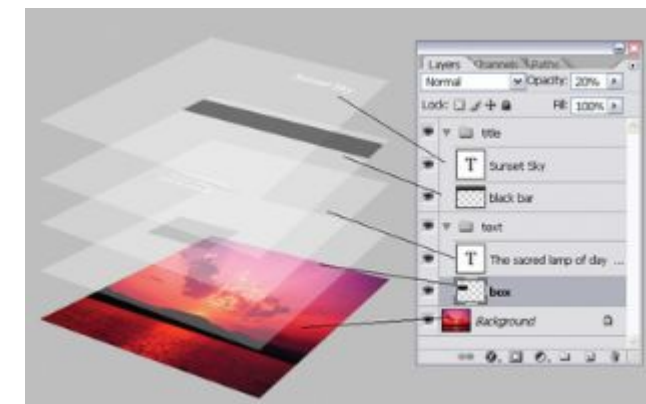
The Freedom to Mix

Traditional switchers have architectural limits : MediaSuite does not.
The system design allows for an **unlimited number of Layers**.

LPS acts like a “Photoshop” for live video.

LPS offers various SDI and IP inputs and outputs, and supports ST2110 standard (incl. PTP) and NDI

Various protocol supported (Automation / Tally / PTZ-Camera / etc..)



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The Best Architecture.



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The Best Architecture

Software-based = delay ?

IT based products are not usable in all environments ?

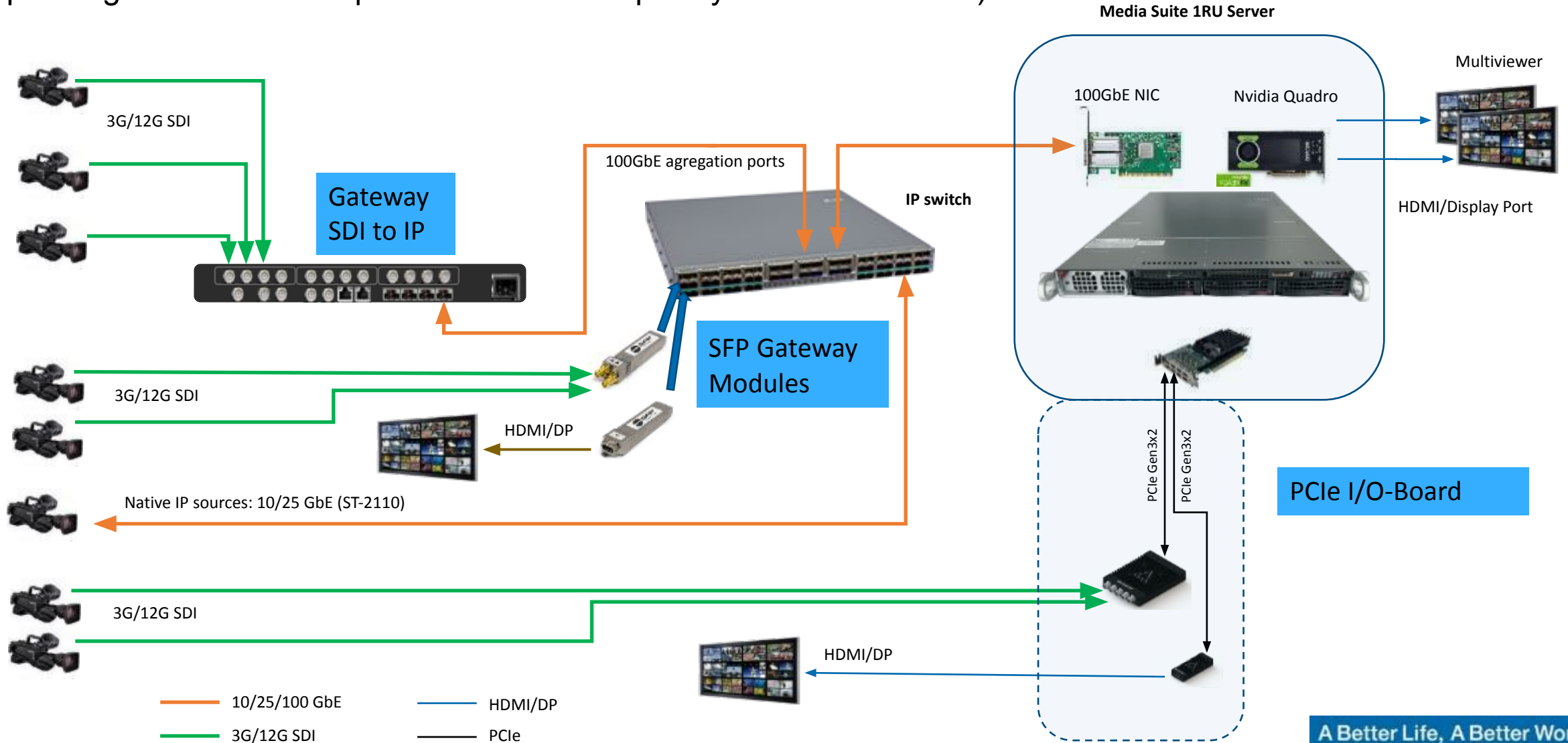
Think again...

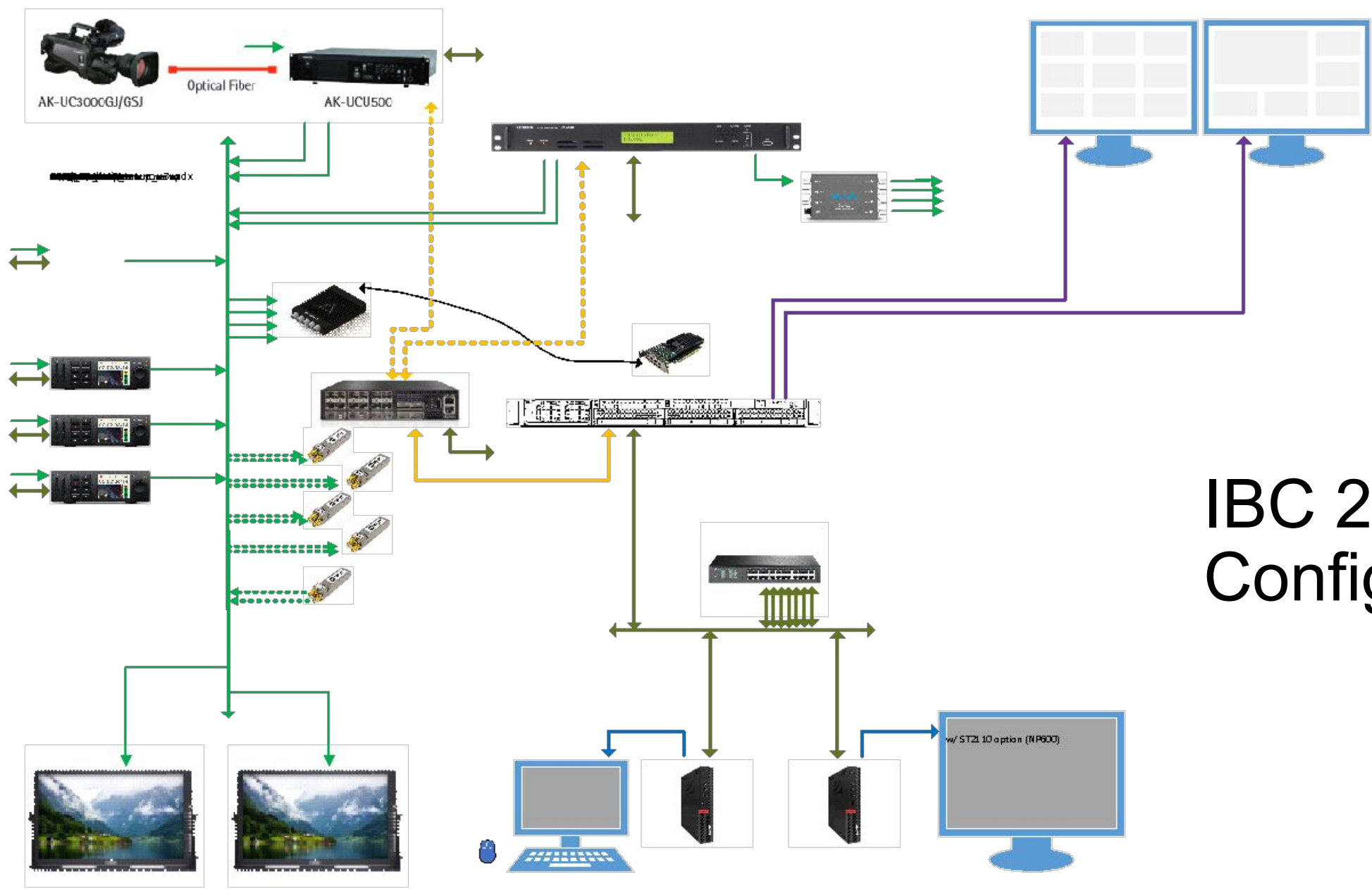
LPS offers 1 frame delay processing !

The power and versatility of software is finally combined with super low latency !



Live Production Suite is not restricted to one specific I/O-solution.
 A system can incorporate multiple options at the same time
 (depending on customer requirements and complexity of the installation)





IBC 2019 Configuration

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LPS : The Story Begins...



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LPS : the story begins...

LPS can mix & match everything in a single chassis

LPS offers PTP sync

LPS is format-free and offers **uncompressed** true 4K inputs, IP and SDI

LPS offers a new-generation super-low 1 frame latency architecture

LPS is truly fully flexible and fully scalable



Thank you for your attention