

THE BENEFITS OF THE MARBLE-V1 MEDIA PROCESSOR

What is it?

MARBLE-V1 is a shared hardware platform housed in the Vision frame, with ten of the media processors fitting in 3U. You can do many different things with MARBLE-V1, making it a very powerful platform that can be used for a large range of tasks.

Processing power

At the heart of MARBLE-V1 is the powerful CPU/GPU processor, which makes it easy to configure it to perform all kinds of tasks or combinations of tasks. It has no problem with multiple stream processing, image manipulation and processes such as colour correction, keying and picture scaling.

What do you want it to be today?

The software apps give MARBLE-V1 its functionality. With new apps coming all the time, you can currently choose from the following functionality...

- IP to SDI conversion
- SDI to IP conversion
- IP to IP translation
- IP/SDI fail-safe switching
 - IP/SDI video delay
- IP/SDI colour correction
- IP/SDI picture-in-picture
- IP/SDI web page keying
 - IP/SDI linear keying

Lots of connections

The multitude of connections allow MARBLE-V1 to be used for so many different tasks and give you the multi-channel products which help save you rack space and money. There are six bi-directional SDI, four 10GbE SFP+ network interface ports and eight bi-directional discrete AES stereo channels – with the *used* inputs and outputs determined by the installed app.

You can have both IP and SDI

MARBLE-V1's mixed SDI and IP I/O makes it easy to transition between SDI, ST 2022 and ST 2110. The picture processing apps can work with IP (ST 2022 and ST 2110), with SDI or with both IP and SDI at the same time. This gives the easiest possible SDI to IP upgrade, while also making them perfect for mixed SDI and IP installations as well as fully IP and fully SDI environments.

Easy to change the functionality completely

MARBLE-V1 gives you the ultimate in future proofing. Apps that are bought with the hardware can be replaced with different apps as needs change, helping you make the most of your budget. Your IP gateway today can be a keyer tomorrow.

Need a custom product?

With MARBLE-V1 you can make your IP or SDI do exactly what you want. The software-based platform makes it easy to create custom products or add features to solve the particular problem you've got.

Helping your system work

MARBLE-V1's apps offer an extensive set of features that make it easy to get and keep your system working. These include comprehensive SDI, IP and PTP monitoring information (plus 14 test patterns to aid fault finding), unicast and multicast transmission support, a choice of traffic shaping options and ten frames of video delay.

Flexible timing

With all apps including synchronisation, MARBLE-V1 offers multiple reference possibilities – supporting PTP in addition to the two analogue references connected via the Vision frame, with reference redundancy and cross-locking.

Choice of control

Control MARBLE-V1 in the way that suits you. Choose from the integrated frame control panel, VisionPanel remote control panel, VisionWeb browser based control, (complimentary) SNMP and our ASCII and JSON protocols.

