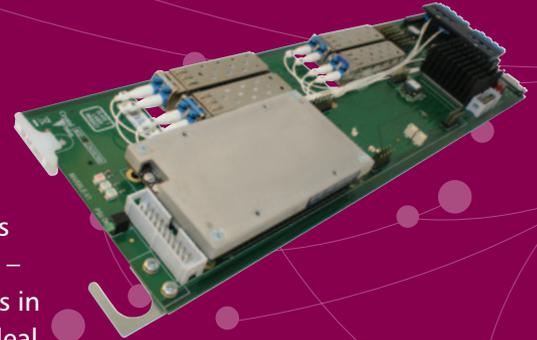# NEW FOR IBC 2017...
AND BEYOND

Crystal Vision

Welcome... Come along to **Stand 2.C28** at IBC 2017 to see our future-proof IP gateways, which combine purpose-built video over IP hardware with flexible software-based processing. The Vision 1 1U frame brings further flexibility to the Vision frame system, providing housing for up to four cards and incorporating the usual Vision benefits. Finally, the Safire 3 real-time chroma keyer gets improved live operation from VisionPanel while continuing to benefit from our acclaimed support and five year warranty.

Not visiting IBC? In that case, talk to us now to find out more or to arrange a demo at your premises.

IP gateways and translation

Crystal Vision's IP products are software apps that run on the MARBLE-V1 media processor – purpose-built video over IP hardware that fits in the Vision frames. The IP gateways are the ideal products for integrating SDI into an IP environment, while the IP to IP translator is perfect for solving some of the new challenges introduced by the move to IP...

SDI6-IP-2022 and IP-SDI6-2022

What do they do?
The SDI6-IP-2022 gateway app encapsulates baseband SDI to SMPTE 2022 IP to allow the transport of uncompressed video over 10GbE IP networks. It converts up to six HD/SD or three 3Gb/s SDI input connections and allows flexible assignment of the converted flows to either of the two output 10GbE links; alternatively the second 10GbE link can be configured for SMPTE 2022-7 redundant streaming.

The IP-SDI6-2022 gateway app de-encapsulates baseband SDI from 10GbE IP networks. Supporting SMPTE 2022, it converts to six HD/SD or three 3Gb/s SDI output connections, with flexible assignment of the converted flows from either of the two input 10GbE links; alternatively the second 10GbE link can be configured for SMPTE 2022-7 redundant input streaming.

Why are they the best solution for your move to IP?
Firstly, they are future-proof. To work with new essence-based standards like SMPTE 2110 (or to change the functionality of your product completely), you just need to buy a new low-cost app to run on your MARBLE-V1 hardware. Secondly, we've thought of all the features you'll need – including support for 31 SDI video standards, clean switching between flows, sophisticated synchronising (including PTP support), unicast and multicast transmission support, signal monitoring and fault detection, up to ten frames of video delay and IP traffic shaping.

IP-IP-2022

What does it do?
The IP-IP-2022 SMPTE 2022 IP to IP translator app de-encapsulates and re-encapsulates baseband video (up to six HD/SD or three 3Gb/s) between up to four bi-directional 10GbE IP network interfaces, with flexible assignment of the flows to the networks.

Why is it the best solution for your move to IP?
Is there any other product like it? Broadcasters are discovering they have all sorts of new issues to solve using IP, and the IP-IP-2022 is ideal for any applications where network settings need to be changed in some way, such as network address, multicast to unicast and 2022-6 to 2022-7 protocol translation. The useful features include clean switching between flows, sophisticated synchronising (with PTP support) and ten frames video delay, signal status monitoring and IP traffic shaping. And just like the IP gateways, you can just buy a new app for your hardware to get SMPTE 2110 or different functionality.

Introducing Vision 1

Making its world debut at IBC will be the Vision 1 1U frame, which brings further flexibility to our forward-looking Vision frame system by providing housing for those smaller projects involving up to four cards.

Sources
This is a frame that can handle any signals – from SDI video to 4K and video over IP.

Outputs
With up to seven connectors on each Vision rear module you'll get so many outputs.

Timing
Dual reference syncs from the frame to every card means easier wiring and peace-of-mind redundant operation.

Speed and storage
Fast connections between the cards and the frame CPU (plus large internal storage) is perfect for backing up card settings and presets.

Power
The frame comes fitted with two very reliable 200W power supplies offering redundancy as standard and allowing increased card functionality.

Products
Vision 1 can house the IP gateways as well as the 12 core interface cards from the Vision range (synchronisers, audio embedders/de-embedders, fibre transmitters/receivers, up and down converters and video and audio distribution amplifiers).

Control
In addition to VisionWeb and VisionPanel, you'll get complimentary SNMP – while two 1Gb/s Ethernet connections give the option of having a redundant control path or using two different control methods.

Even better chroma keying

Our Safire 3 real-time chroma keyer now offers the best control as well as the best performance, support and warranty. Currently enjoying its highest level of popularity to date, Safire 3 is ideal for applications from weather to immersive virtual studios, with support for resolutions from SD to 1080p and including features such as lighting compensation, colour correction and video delay.

The recent enhancements to the VisionPanel universal control panel all result in faster and easier operation – particularly beneficial for Safire 3 in a live situation. Touch screen improvements include making it more responsive, replacing the two-step drop down menus with a one-step radio group style control and removing the requirement to go via the home screen to change menus: tabs for all the other menus within that menu group are now displayed. Knob improvements include swapping the coarse and fine adjustment (with it now defaulting to the more commonly-used faster speed adjustment) and a useful new cal function, where pressing down on the knob defaults the value of the slider being adjusted. Hard button improvements include reassignment of the right-hand hard buttons to get immediate access to some of the most frequently-used menus (Key Status and Gain and Spill) as well as to provide a chroma key on/off toggle, and making it more obvious which hard button needs to be pressed to select a particular board: the button for the board currently being controlled is now lit bright, while the board list on the touch screen now shows the hard button number in addition to displaying the board name.

Why not take the opportunity to have a demo at IBC?

NEW: ENHANCED CONTROL PANEL

If you're also looking for...

Logo keyers, video delays, fail-safe routing switches, colour correctors or a full range of glue, then that's another very good reason to visit to Stand 2.C28 – with over 70 products in our Indigo frame system.

What next?
Get in touch with us! Either come along to **Stand 2.C28** (new location!) at IBC or contact us now on +44 (0)1223 497049 or sales@crystalvision.tv and tell us how we can help you. Or ask us a question on our website Live Chat. We look forward to hearing from you!