

## New for the 2017 NAB Show...and beyond

**What's new from Crystal Vision?** Our forward-looking Vision frame system – suitable for SDI, IP and 4K – is now shipping, along with its core cards essential for any interface system. And we're doing very exciting things with video over IP. Our future-proof IP gateways (which include PTP as a timing source option) initially support the SMPTE 2022-6 and SMPTE 2022-7 protocols, but can be easily reconfigured via a software upgrade for the new standards as they emerge. New picture processing plus the very best support make our real-time chroma keyer the first choice for any virtual applications.

Planning to visit the NAB Show? Why not add **Booth N3010** to your myNAB Show planner now – it's a fantastic opportunity for a face-to-face meeting with us. Not visiting NAB? In that case, talk to us now to find out more or to arrange a demo at your premises. Responsive support, reliability, fast delivery times and a five year warranty are some of the reasons why people like dealing with us.

### Vision 3 frame

Shipping now, why do we claim that Vision is the industry's most forward-looking frame system?

## FEATURES



## PRODUCTS

#### Space

We'll make the most of your rack space: with up to 20 vertical cards in 3U.

#### Timing

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

#### Power

The frame comes fitted with two very reliable 460W power supplies offering redundancy as standard and allowing increased card functionality.

#### Sources

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

#### Control

You'll get frame front panel monitoring and control of all cards as standard – as well as complimentary SNMP.

#### 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, as well as enabling future exciting graphics products.

#### Outputs

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

#### Synchronisers

So many functions on one card! Video synchroniser, tracking audio delay and embedder/de-embedder for analogue and digital audio.

#### Up and down converters

Providing the output picture quality that broadcasters standardise on.

#### Audio embedders/de-embedders

Embed and de-embed a mixture of up to four groups of AES and two groups of analogue audio at the same time.

#### Distribution amplifiers

For digital and analogue video and digital and analogue audio – with so many outputs!

#### Fibre transmitters/receivers

Robust transport of 3Gb/s, HD, SDI and DVB-ASI signals over large distances.

**NOW SHIPPING**

Turn over for our unique approach to video over IP – plus the highlights from the Indigo frame system including our real-time chroma keyer...

# FUTURE-PROOF IP GATEWAYS

## SDI to IP...

The **SDI6-IP-VF** converts six HD/SD or three 3Gb/s input connections to one output 10GbE link. A second 10GbE connection allows SMPTE 2022-7.

## IP to SDI...

The **IP-SDI6-VF** converts one 10GbE link to up to six HD/SD or three 3Gb/s output connections. A second 10GbE connection allows SMPTE 2022-7.

## IP to IP...

The **IP-IP-VF** features four network ports each carrying up to six HD/SD or three 3Gb/s streams – allowing network address translation from input to output and providing firewall capability.

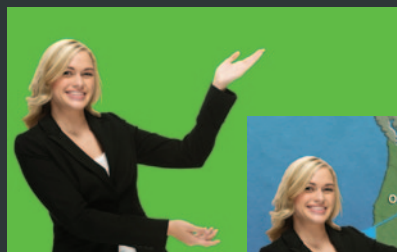
## IP gateways

The clever thing about our IP gateways is that they are future-proof. Launching shortly with initial support for the SMPTE 2022-6 and SMPTE 2022-7 protocols, they can be easily reconfigured via a software upgrade for the new standards as they emerge. Designed for processing SDI to IP, IP to SDI and IP to IP and housed in the Vision 3 frame, they also incorporate sophisticated synchroniser features – supporting PTP in addition to analogue references or SDI inputs as a timing source, with user configurable options for timing source priority and redundancy. Your signals are just as precious in an IP world and if you're looking for the smartest way to integrate SDI into an IP environment, come and talk to us on Booth N3010.

## Indigo highlights

The well-established Indigo frame system offers the biggest range of boards (over 70 of them – see some of the highlights below) and a choice of three frame sizes.

## Safire 3 chroma keyer



Lighting compensation, colour correction and video delay are just some of the useful features you'll get from our top-end live chroma keyer – plus it's a pleasure to operate, using dedicated control panel or any web browser. Used by broadcasters throughout the world for

applications from weather to immersive virtual studios, it works with 31 different video standards including 1080p and has recently gained new processing features. It also comes with the industry's best support.

## Other products

Other Indigo products you'll be able to see on Booth N3010 include...

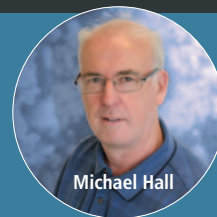
- **The MultiLogo three-layer logo keyer** for sophisticated HD or SD video and audio station branding with internal storage for up to 500 graphics.
- **The Safe Switch 3G fail-safe 2 x 2 routing switch** which uses a full framestore synchroniser on each input and loss of reference protection to guarantee a clean switch.
- **The ViViD range of video delays** for up to ten seconds of 3Gb/s delay, 43 seconds in HD or four minutes in SD.

## What next?

Get in touch with us! Either come along to **Booth N3010** at the 2017 NAB Show or contact us now on +44 (0)1223 497049 or [sales@crystalvision.tv](mailto:sales@crystalvision.tv) and tell us how we can help you. We look forward to hearing from you!



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