VISION ON

The customer newsletter from
Crystal Vision

WELCOME to the March/April edition of our "Vision On" newsletter.

Visit **Booth N3010** at the 2017 NAB Show in April and you'll have a chance to see the industry's most forward-looking frame system – Vision 3 – which is now shipping. You'll also be able to find out more about our very interesting approach to IP – and why you won't have to throw away our gateways as the new standards emerge.

Our real-time chroma keyer Safire 3 already had the benefit of the industry's best support – and you can read about the new processing that makes it better than ever.

NABSHOW™
Where Content Comes to Life™

IP AND MORE AT THE NAB SHOW

Booth N3010 at the 2017 NAB Show will be showing our forward-looking Vision frame system – suitable for SDI, IP and 4K – which is now shipping, along with its core cards essential for any interface system including up and down converters, synchronisers, fibre optic transmitters and receivers, audio embedders/de-embedders and distribution amplifiers for analogue and digital video and audio. There will, of course, also be a chance to see the popular products from our Indigo system, including chroma keyers, logo keyers, video delays and fail-safe routing switches.

One of the hot discussion topics on our NAB booth will be video over IP. With future-proofing at their core, we believe that our range of IP gateway products embrace the correct approach to integrating SDI into an IP environment. Housed in the Vision 3 frame, the modular gateways are robust, include all the required features at a competitive price and can be connected to a wide range of other manufacturers' equipment.

Our software based approach to processing SDI to IP, IP to SDI and IP to IP also means we avoid future hardware limitations. The products will launch shortly featuring initial support for the SMPTE 2022-6 and SMPTE 2022-7 protocols, with their flexible platform allowing them to be reconfigured (via a software upgrade) for the new standards as they emerge.

The SDI6-IP-VF converts six HD/SD or three 3Gb/s input connections to one output 10GbE link. 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 on both the SDI6-IP-VF and IP-SDI6-VF. 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. With clean switching between streams and sophisticated synchroniser features, the IP gateways support Precision Time Protocol (PTP) in addition to analogue references or SDI inputs as a timing source, with user configurable options for timing source priority and redundancy. We'll be doing customer site visits with our IP gateways after NAB, so please get in touch if you'd like to book a slot.

When you're planning your trip to Las Vegas, why not explore our 'online showroom' on the NAB website? You can find it at **http://nab17.mapyourshow.com/7_0/exhibitor_details.cfm?exhid=429** – and you can also add Crystal Vision to your myNAB Show Planner while you're there. We look forward to seeing you in Las Vegas!

SAFIRE 3: BETTER THAN EVER

THE Safire 3 real-time chroma keyer has recently been upgraded with some new processing features which are already proving popular with customers. Working with resolutions from SD to 1080p, and incorporating features such as lighting compensation, colour correction, framestore synchronisers and ten frames of video delay, broadcasters everywhere are using Safire 3 for applications from weather to immersive virtual studios.

So what's new? The sensitivity of the Foreground balance control has been increased to enhance suppression and remove spill on colours further away from the suppression hue value, and was added in response to a customer who needed to remove a more purple spill colour. The increased adjustment makes Safire 3 even better at dealing with any spill issues. Also new are the 'FG Colour Compensate' controls which can help to remove any colour casts caused by spill suppression, by lifting the individual red, green and blue components of the Foreground signal before suppression.

In order to accommodate these new processing controls, the original 'Presets' and 'Outputs' menus have now been combined into one menu. You can see the new menu layout by looking at the updated Safire 3 VisionWeb GUI which is now on the website. On VisionPanel, meanwhile, the Outputs and Presets buttons will both now jump directly into the new Presets & Outputs menu.

If you're interested in getting these new features on your chroma keyer you will need to upgrade your Safire 3 software to v1.8 and your Indigo frame software to v5.5. Older Safire 3 software versions should be used with Indigo frame software v5.4 or earlier. E-mail support@crystalvision.tv for more information.

MARCH/APRIL 2017

NEW RESOURCES GALORE!

WITH THE RELEASE AND SHIPPING of the Vision frame system and its first 12 interface cards, we've released a lot of new marketing and other useful resources. Many of these are available in the Registered Area on our website – to access them please log in at www.crystalvision.tv or e-mail web@crystalvision.tv to request a Registered Area password. Here's a roundup of what's new.

As of January, every Vision product (including the frame itself) now has a user manual. These can all be downloaded from our website Registered Area.

Every Vision product also now has a web page – providing the best information source (with full specs etc.) until their official brochures get written.

At the end of January we released the SNMP MIBs and XML files for the Vision products – and these are all available as zip files for you to download from the Registered Area. At the same time we also updated our MIB and XML guides, which help interpret the sometimes enigmatic naming of our files. As well as being useful for third party control, the XML files are used to create 'virtual cards' for our VisionWeb web browser control.

If you want to know whether it's worth you upgrading your board's software or firmware, the Product Software and Firmware Version document was last updated on 21st February. Again this can be downloaded from our Registered Area.

Finally, the next price list is due for release on 1st April.

GOT A QUESTION ABOUT YOUR ORDER? INTRODUCING ROBYN…

ROBYN TATE joined Crystal Vision in February as Sales Administrator.

Seeking a part-time role that would fit around her two children, Robyn was particularly attracted by the friendly environment at Crystal Vision, while her ten years of solid sales admin experience coupled with an NVQ in Business Administration made her the obvious choice for this role. Robyn is quickly getting to grips with all the tasks and systems involved in her new job and is very much enjoying every aspect of the learning process.

When she's not at work, Robyn enjoys family time and making the most of the countryside around her.

The perfect person for you to talk to if you've got a question about your order or when your Crystal Vision salesman is out of the office, you can contact Robyn on robyn.tate@crystalvision.tv or +44 (0)1223 497049. Robyn works mornings alongside our other Sales Administrator – Elaine Mingay – with them sharing all the sales admin tasks between them.

OBSOLETE PRODUCTS NEWS

AS NEW PRODUCTS are introduced, other products are withdrawn, and we've recently made a handful of our products obsolete…

Q-Down123 and Q-Down183
Our original down converters have been 'clearing stock' for a while, and now we've run out! Use Q-Down-AG 3G and Q-Down-ATG 3G instead – which offer more features, including 1080p support and four group embedded audio handling.

SYN103
This Standard Definition only synchroniser was not a big seller compared to our other synchronisers. Use SYN 3G instead – which can be used for Standard Definition sources, as well as HD and 3Gb/s.

DBE-D
Our Dolby decoder was an add-on option for the TANDEM 310 and SYNNER 310. Dolby has now withdrawn the module required for the DBE-D and we've seen less of an interest in Dolby decoding.

Rear modules
The RM35 for the ADCA412, DACA214 and DADA range and the RM37 for the AADA range. (The parts required for these rear modules are no longer available.)

WHO'S BUYING WHAT…?

Here are just a handful of the orders we've received in the last few months…

AUSTRIA
- National broadcaster ORF has bought an additional 86 boards for the upgrade of its regional stations to HD. The boards purchased included MultiLogo logo keyers, Q-Down-AG 3G down converters, SYNNER 310 multi-functional synchronisers, Safe Switch-L 3G fail-safe routing switches and FTX-L 3G fibre transmitters – plus video and audio converters and distribution amplifiers.
- Distributor Gelantec has supplied ORF with 27 fibre transmitters and receivers, embedders and distribution amplifiers for the move of its television centre at the Austrian parliament in Vienna.
- Production company Interspot has ordered a SYN 3G synchroniser from distributor Gelantec.
- National broadcaster ORF has bought another eight MultiLogo V132 8G three-layer logo keyers from distributor Gelantec.

DENMARK
- Jutland broadcaster TV 2 OJ has bought a MultiLogo logo keyer from distributor Precision Technic Broadcast.
- Broadcaster TV3 Sport has purchased a ViViD 3GS-20 long video delay with synchroniser, supplied by distributor Precision Technic Broadcast.

GERMANY
- Broadcaster ProSiebenSat.1 Media AG has purchased digital video and digital audio distribution amplifiers from distributor SHM Broadcast.

- Technical services company afm Medientechnik has bought TANDEM 310 embedders/de-embedders, Q-Down123 down converters and 3GDA210R digital video distribution amplifiers from distributor SHM Broadcast.
- Distributor SHM Broadcast has supplied systems integrator SonoVTS with an ADDEC-210 video converter.

GREECE
- 23 interface boards have gone to Kapa Studios via distributor Ariston BTS, including Safe Switch 3G fail-safe routing switches, TANDEM 310 embedders/de-embedders and video and audio distribution amplifiers.

INDIA
- EMMRC (Educational Multimedia Research Centre) has bought down converters, distribution amplifiers and embedders from distributor AGIV.

IRELAND
- National broadcaster RTÉ has purchased Up-Down-ATX 3G up and down converters.

JAPAN
- Production and systems company Teletech has bought 3GDA105C and VDA210M HD video DAs and ADCA412 and DACA214 audio converters from distributor Matsuda Trading.

LITHUANIA
- Systems integrator TVC is installing ViViD 3G video delays for broadcaster LRT.

MALTA
- Live casino solutions company Evolution Gaming has purchased another two Safire 3 chroma keyers.

NORWAY
- Production company Screen Media is using a Safire 3 chroma keyer, supplied by dealer Danmon Norge AS.

SLOVENIA
- National broadcaster RTV Slovenija has bought Up-Down-A 3G up and down converters.

SOUTH KOREA
- Broadcaster MBC has bought two Safire 3 chroma keyers from distributor SanAm Technology.

TAIWAN
- Broadcaster USTV has bought SYNNER 310 multi-functional synchronisers, TANDEM 310 embedders/de-embedders and 3GDA105C and AADA416FM DAs from dealer Advance System Integrated Co.,Ltd.

UAE
- A Safe Switch 3G fail-safe routing switch has gone to dealer United Broadcast & Media Solutions.

UK
- Dega Broadcast Systems is installing 150 interface boards for BBC Studioworks at the redeveloped Television Centre in London, including Safe Switch 3G fail-safe routing switches, CoCo 3G colour correctors, TANDEM 310 embedders/de-embedders, FTX-L 3G fibre transmitters and video and audio distribution amplifiers.
- Broadcaster BBC Scotland has bought Vision 3 frames filled with 40 3GDA-VF digital video distribution amplifiers and eight SYNNER-VF multi-functional synchronisers, supplied by dealer CVP.
- The Houses of Parliament have bought UP-DOWN-A-VF up and down converters from the new Vision frame system.
- Systems integrator IPE is installing 39 boards for continuing drama Emmerdale, including up and down converters, synchronisers, distribution amplifiers, embedders/de-embedders, audio converters, and a Safire 3 Xpress chroma keyer.
- Systems integrator Techex has installed four LKEY-SQZ squeeze back keyers at the Houses of Parliament.

USA
- The North American Technology and Operations division of Turner has bought another MultiLogo logo keyer.
- Sports broadcaster ESPN has ordered an additional LKEY 3 linear keyer.
- Broadcaster CBS has purchased another Safe Switch 3G fail-safe routing switch.
- Systems integrator Finer Associates has purchased another two Safire 3 chroma keyers for Fidelity Investments.

VIETNAM
- Broadcaster Vinh Long Radio and Television has bought a REFGEN black generator and 3GDA111R, VDA210M HD and AADA416FM distribution amplifiers from dealer Media Broadcast Technology.