

VISION ON

The customer newsletter from
Crystal Vision



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

At the 2019 NAB Show we've moved South to a different hall, so please come along to **Booth SL11513** to see our latest IP and SDI developments. One of the things we'll be showing in Las Vegas is our exciting new range of SDI profanity delays which you can read about below. Turning over to the back page, discover how you can now use VisionWeb virtual cards and our new smart button boxes to flexibly combine our boards to create powerful new functionality – and find out which products still include board edge control.

CLEANING THE AIR

NEW from Crystal Vision is Cleanit – a flexible and budget-friendly video and audio profanity delay system for live broadcasts.

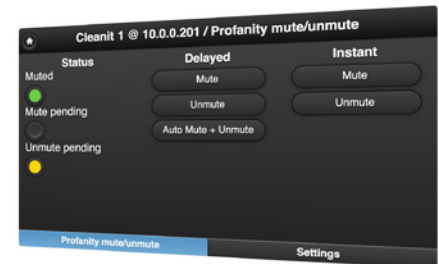
Cleanit allows a live content stream to be delayed by up to 20 seconds (in HD), giving the operator time to react and prevent the broadcast of unwanted or offensive video or audio material – from expletives to technical problems. Cleanit works with 3Gb/s, HD and SD video and with embedded audio as well as discrete AES and analogue audio, and is equally suited to traditional broadcasting and social media webcasts.

Cleanit is available as four different packages, which allows you to purchase as much or as little protection as you need. The three standard

versions of Cleanit take care of the most common applications, muting or shuffling either embedded or discrete AES or analogue audio, along with video freeze or black. With Cleanit Custom, a profanity delay system can be designed to suit your specific application – whether you want to insert a graphic, switch to another source or use fibre I/O.

One channel of Cleanit will fit in a desk top box, ideal for those wanting a portable system. 1U and 2U frames are available for multi-channel applications or for those requiring power redundancy.

The two control options for Cleanit make configuration and operation easy and ensure that you always know the status of your audio and video. You can use either a simple VisionWeb web browser GUI or – for those wanting big physical buttons to press – the new SBB-4 smart button box with its four programmable LCD switches (read more about that overleaf). Both manual and automatic control of the video and audio cover/uncover functions are available to suit the way you like to work. You can try out Cleanit operation using the SBB-4 for yourself on **Booth SL11513** at the NAB Show.



Cleanit is shipping now. Full product information is available in the Cleanit brochure.

NAB SHOW PREVIEW

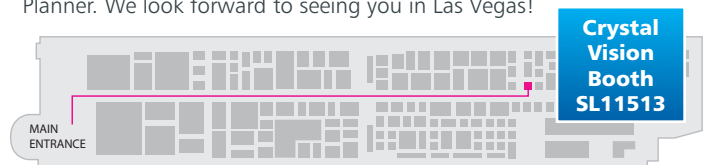
We are looking forward to welcoming you to our booth at the 2019 NAB Show, and showing you our latest IP and SDI products.

You'll find us in a new location this year – we've left the North Hall and can now be found on the main central aisle in the South Hall Lower. Manning **Booth SL11513** will be Managing Director Philip Scofield, Head of Sales Stewart McGhie, Sales Manager Michael Hall, US Product Manager Chris McLendon and Product Manager Andrew King.

The MARBLE-V1 media processor is our flexible IP platform and we'll be taking our new look MARBLE-V1 production hardware to Las Vegas. At NAB we will be showing all three of our ST 2022 software apps processing six HD video feeds using three MARBLE-V1s, including demonstrating the firewall capabilities of the IP-IP-2022 IP to IP translator. We will also be showing a preview of the ST 2110 software apps featuring their flexible audio options with 48 audio flows available within the app. Each audio flow can be set to have between two and 16 channels of audio (one to eight stereo pairs). The flexible audio options on the apps will allow connection with more types of audio devices than is commonly the case with current ST 2110 products. For those interested in SDI, we'll have our full range of interface and keying products on show, including the Safire 3 chroma keyer and the new Cleanit profanity delays.



For an overview of our NAB plans, read our New for the 2019 NAB Show newsletter or explore our 'online showroom' on the NAB website at https://nab19.mapyourshow.com/8_0/exhibitor/exhibitor-details.cfm?exhid=429 – where you can also add us to your myNAB Show Planner. We look forward to seeing you in Las Vegas!



South Hall Lower map

MARCH/APRIL 2019

POWERFUL NEW FUNCTIONALITY

IT'S now easier than ever to flexibly combine our boards to create powerful new functionality. VisionWeb virtual cards or the programmable LCD switches on our new smart button boxes can be used to create the exact functionality you need.

VisionWeb Control is a free-of-charge way of operating Crystal Vision products from a web browser running on any device connected to the same network. A selection of controls from one or more boards located in the same frame can be presented as a 'virtual card' on VisionWeb, with the frame then acting as if it contains an extra board. We have been able to offer virtual cards for some time, but only recently has delayed functionality been available on a virtual card.



Crystal Vision can now offer smart button boxes for the first time, extending the range of remote control options available for customers. Smart button boxes – such as the SBB-4 used for Cleanit – are perfect for live operation, and are available with different numbers of programmable LCD switches to suit different applications. With big buttons to press, they feature clear text and colour indications of function and status – such as a button flashing orange while counting down. The smart button boxes connect to the Crystal Vision frames via Ethernet (making them a really neat solution) and use Power over Ethernet for convenience. One button box can control multiple frames. With the ability to be used with both Indigo and Vision products, the smart button boxes can be programmed to run any function available in the product XML files as well as receive status.

The smart button boxes include GPIs and so can also be used to add GPI control or status indication to Vision frames or even Indigo frames, using the Ethernet control network.

BOARD EDGE CONTROL

CRYSTAL VISION has removed board edge control from some of its Indigo products.

The majority of boards that featured a ten character alphanumeric display are no longer being fitted with the display and are therefore no longer controllable from the board edge. The display part has become obsolete and all frames now come with the free-of-charge VisionWeb web browser control, which is far more user-friendly than using the board edge.

The display will continue to be fitted to the MultiLogo logo keyers and Clip N Key clipstores because a board edge menu showing the board's IP address allows the user to configure their control software correctly. The display is also required for testing the ViViD 3G video delays.

Indigo boards which have only ever offered edge control in the form of buttons with no display will continue to offer local control.

Some products will continue to be shipped with a display until stock runs out.

Boards still offering board edge control:

3GDA105C	AADA-STM-1	DADA208D	MultiLogo V432 *
3GDA105R	AADA416FM	DADA208N	MultiLogo V432 8G *
3GDA111C	AADA416FR	FRX 3G	VDA110M HD
3GDA111R	Clip N Key V121 *	FTX-L 3G	VDA110R HD
3GDA204R	Clip N Key V121 8G *	MADDA105	VDA210M HD
3GDA210R	Clip N Key V221 *	MADDA111	ViViD 3G *
ADCA412	Clip N Key V221 8G *	MON210	ViViD 3G-20 *
ADDEC-210	DACA214	MultiLogo V132 *	ViViD 3GS *
ALLDAC	DADA208	MultiLogo V132 8G *	ViViD 3GS-20 *

* Display will continue to be fitted

WHO'S BUYING WHAT...?

Here are some of the orders we've received in the last few months...

AUSTRIA

- National broadcaster ORF has bought more boards for its regional studios, including MultiLogo V432 8G logo keyers, Safe Switch-L 3G fail-safe routing switches, SYNNER 310 synchronisers, Q-Down-ATG 3G down converters, FTX-L 3G fibre transmitters, ADDEC-210 video converters, ADCA412 and DACA214 audio converters and various distribution amplifiers.
- Broadcast graphics company Vizrt has ordered 16 Safe Switch 3G fail-safe routing switches and eight VDA110M HD analogue video DAs for use with its Viz Eclipse product.

BULGARIA

- Production company OTSE has bought SYN-A 3G synchronisers and a Safe Switch 3G fail-safe routing switch.

CHINA

- Virtual reality technology provider 7-D Vision Tech has purchased another two Safire 3 chroma keyers.
- Systems integrator Hangzhou Justong Network Technology has purchased ten TANDEM 310 embedders/de-embedders and VDA110M HD analogue video distribution amplifiers.

CYPRUS

- Production company Galinis Production Studio has bought VDA110M HD analogue video DAs from distributor Ariston BTS.

GREECE

- Broadcaster Open TV has purchased more boards from distributor Ariston BTS, including FTX-L 3G and FRX 3G fibre transmitters and receivers, SYN-A 3G synchronisers and TANDEM 320 dual channel embedders/de-embedders.

INDIA

- Broadcaster ABP News has bought two Safire 3 chroma keyers from distributor AGIV India.
- Broadcast graphics company Vizrt has supplied media company Associated Broadcasting Co. Pvt. Ltd. with ViViD 3G video delays and ADP 310 audio delays and processors.

QATAR

- Production company Khayal Production has bought nine SYN 3G synchronisers from distributor BCS.

SLOVENIA

- Broadcaster RTV Slovenija has purchased Up-Down-AS 3G synchronising up and down converters, FTX-L 3G and FRX 3G fibre transmitters and receivers and 3GDA105C digital video DAs.

SWEDEN

- AB Backaskog Media has bought a ViViD 3G-20 long video delay for the multi-projection video artwork in the

Malmö C Nedre underground station, where 44 Crystal Vision delays are already in use.

SWITZERLAND

- Broadcaster Telebasel has purchased two Safire 3 chroma keyers from dealer Z & B.

TURKEY

- Broadcaster TRT has bought 3GDA105R digital video distribution amplifiers from distributor Teratek.
- Broadcaster Saran Media has ordered TANDEM 310 embedders/de-embedders and 3GDA210R digital video DAs from distributor Teratek.

UK

- Systems integrator dB Broadcast is installing 31 interface boards at the Scottish Parliament, including Q-Down-AG 3G down converters, TANDEM 320 dual audio embedders/de-embedders and 3GDA105R, 3GDA111R and 3GDA204R digital video DAs.
- The BBC has ordered more Crystal Vision interface boards for Broadcasting House in London, including Up-Down-AT 3G up/down/cross converters, Q-Down-ATG 3G down converters and FTX-L 3G and FRX 3G fibre transmitters and receivers.
- Production company The Media Bunker has bought a Cleanit profanity delay system for a major sports discussion programme on Facebook Live.
- BBC Bristol has ordered SYNNER 310 multi-functional synchronisers, 3GDA105C digital video DAs, VDA110M HD analogue video DAs and TANDEM 320 dual embedders/de-embedders.
- The largest commercial radio broadcaster in Europe, Global, has purchased another 35 AADA416FM analogue audio distribution amplifiers for some of its regional UK stations.
- Systems integrator Dega Broadcast Systems has ordered Vision 3 frames containing 3GDA-VF digital video DAs, VDA-VF analogue video DAs and AADA-VF analogue audio DAs.
- Scottish broadcaster STV has purchased more interface boards for its Vision frames, including SYNNER-VF multi-functional synchronisers and 3GDA-VF digital video DAs.

USA

- Atlanta broadcaster WAGA-TV has purchased an LKEY-SQZ squeeze back keyer.

