

Strong Sentiment for AV-ICN to Establish

The AV-ICN Expo 2023 is a stand-alone Expo in hall 2 at Bombay Exhibition Centre, Nesco, Mumbai. The AV industry attended a full-fledged AV-ICN expo at the same venue in 2019. In 2022 the AV-ICN Expo was merged with PALM Expo as the 2022 edition was captioned as the *Reunion of the Pro AV and Pro Audio industry* and the organizers put together both the expo in one hall. The AV-ICN Conference was also merged with the PALM Conference.

AV-ICN Expo 2023 has received a tremendous response from the AV industry in one particular sentiment. Whether it was Bengaluru, Mumbai, or New Delhi, the one sentiment expressed by the AV industry was indeed its acknowledgement that the task of creating or establishing an independent AV Expo is difficult and full admiration for the AV-ICN team in pursuing its goal and full appreciation for the objective of providing an alternative expo platform. "The one sentiment that almost every prospective exhibitor has expressed is that, however difficult it is to establish an alternative AV Expo, 'please do not give up'. 'India needs one more AV expo'. **Do not give up**, was the shout from the AV industry," says **Anil Chopra**, Founding Director of AV-ICN Expo.

"It was this sense of responsibility and encouragement that AV-ICN pursued its goal in leading companies like **BenQ**, **Epson**, **Christie**, **Optoma** to come on the platform. The expo reiterates India's Pro AV industry's quest of possessing

an active, determined, and dedicated AV platform to connect and convene the mass market of AV integrators & consultants," he adds.

AV-ICN Expo 2023 will again boast of a three-day conference of marquee speakers like **Kelvin Ashby-King** from Clarity Consulting, **Satyanarayana Reddy** from The Siemon Company, **Kairav Adhvaryu** from MNT Technologies, **Chandrashekar Naik.S** from T2 Technology Consulting, **Chaitanya Chinchlikar** from Whistling Woods International and **Narendra Naidu** from Rhino Engineers, to name a few.

Some of the major topics that the expo encompasses include, *Design Implications for Large Convention and Expo Centres* by Chandrashekar Naik; *Holistic Museum Design and Integration* by Kelvin Ashby-King; *IT of AV Integration, AV Communication and AV Networking* by Satyanarayana Reddy; *Education – Smart Class* by Kairav Adhvaryu; *VR / Virtual Production & Metaverse – AV's Frontier Visualization* from Chaitanya Chinchlikar; *Large Scale Monument of AV Integration* from Narendra Naidu.

AV-ICN 2023 theme is Display, Digital Signage and Projection. BenQ will bring latest 4LED projector LH730. Epson will focus on their latest 4K Laser Projectors. Some unique new technologies will include the Haptic Touch Wall by Immersion, Maxhub Interactive Flat panels, and Vestel's visual solution.

Many companies will take part in sharing the sophisticated intelligence with the industry during the AV-ICN EXPO 2023. So, let's get into the best and the latest by our top AV exhibitor, NTeck Systems, which will exhibit its latest products from major brands like Inogeni, Hall Technologies, and Sonetonix at our 2023 EXPO.

Founded in 2020, NTeck Systems ensures high performance and the best AV control solutions with a wide range of products. The company is set to boast about its all-new scalable technologies with superior performance and better connectivity solutions.

How do you share your USB 3.0 devices between two hosts, such as a room CODEC and BYOD laptop? Well, **Toggle USB 3.0 Switcher** seems a perfect solution. The latest product by NTeck Systems in the exhibition, TOGGLE USB Switcher, connects to three USB 3.0 devices and can switch them between two hosts. It automatically switches to a laptop when it is connected and reverts to the room PC when disconnected. It can also be controlled remotely by RS-232 or GPI.

Another product, **4KX-PLUS HDMI TO USB 3.0 capture device**, should also find a unique way to thrill the guests at the EXPO. It's BYOB (Bring Your Own Meeting) feature in a WebEx environment ensures that the new solutions strike the modern world with confidence. It is a proven technology that captures uncompressed HDMI video and audio from Webex devices, which then converts it to USB 3.0 for a third-party laptop. It surely stands as one of the most cost-effective and user-friendly solution for interoperability.

If you are looking to convert and connect your USB camera and audio to an HDMI input – CODEC, matrix or display, **U-CAM**, would surely help you manage all your tasks. It is a USB 3.0 to HDMI with a proven technology convertor device that captures uncompressed USB 3.0/2.0 video (up to 4K) and audio, then converts it to HDMI with embedded audio.

The **Inogeni CAM230 Switch 1 OF 3 USB/HDMI Cameras to USB or HDMI** is a USB and HDMI multi-camera switcher that helps improve meeting equity in

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VISION
Leading Digital Technology

Aputure

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HAWAII
LED SCREEN

Di iMPEX

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virtual sessions. With its easy-to-use camera switching capabilities and support for bidirectional audio with video bars, facilitators can ensure that all participants have equal opportunities to speak and contribute. The CAM230 also supports whiteboard and document cameras for added collaboration and productivity.

The **Inogeni Share2U Dual USB 2.0 Video Mixer to USB 3.0 Converter** is the most easy and reliable tool for simultaneous capture. With the mix of two video sources into one single USB stream, audio for PC for recording, videoconferencing, lecture capture and streaming applications gets easy. Share2U is easy to setup, has no drivers, and is compatible with all the apps for users’ convenience. It can work on all motherboards and USB 3.0 chipsets.

Discovery series including **DSCV1-70-TX**, **DSCV2-70-TX-US**, **DSCV2-70-TX-UK**, and **DSCV-70-RX** exhibited in the EXPO, offer a cost-effective 4K extension with flexible USB and HDMI capabilities for software video conferencing and audio extraction. These kits were designed specifically to address signal extension for multiple participants in classrooms, huddle spaces, or conference rooms. With both US and UK transmitter wall plate options available, Discovery makes collaboration easy and fluid with support for resolutions up to 4K. All Discovery series by NTECK Systems feature 1 or 2-gang US & UK Standard HDBaseT 2.0 wall plate transmitter & receiver kits with USB-C & 2x HDMI inputs, USB 2.0 pass through, and audio de-embedding and PoH. The receiver kit pairs natively with soft-codec video conferencing applications such as Zoom, Teams, Skype, WebEx, and more.

EMCEE200 is a presentation device that provides a seamless multi-view presentation switcher and scaler with Picture-in-Picture (PIP) and Picture-Over-Picture (POP) capabilities. It can process up to four 4K@60 video sources and gives “Confidence” and “Present” HDMI outputs in different window layouts.

HT-GEMINI is a 4K 6 multi-format input extender switch with USB extension for a soft codec, which provides AV switching, USB, HDMI, DP, VGA, and USB-C extension, plus system control for meeting spaces using PC-based conferencing codecs such as Microsoft Skype, Webex by Cisco, and Citrix GoTo Meeting. The kit is compatible with ultra-high-definition source up to 4K/UHD@60 Hz with 4:2:0 color subsampling. All audio, video, data, control, USB, and ethernet transmission between the two devices is carried over a single, ethernet-enabled HDBaseT link up to 100m/330ft.

HT-Odyssey is an all-in-one BYOD speakerphone with a presentation switch, wireless casting, and an HDBT out port. It allows everyone to hear the sound in the meeting room during conference calls and to show a presentation from a laptop, smartphone, or tablet with USB Type-C port or HDMI. The USB-C port also provides 60W of charging power.

Lynx is a maximum value extension solution for high resolution 4K graphics requiring smooth video playback and audio de-embedding at a value price point. Cascade up to 8 receivers to scale functionality and maximize distribution distance. Lynx series, exhibited in the AV-ICN EXPO 2023, cover **EX-LYNX-WPE-TX**, **EX-LYNX-WP-TX**, **EX-LYNX-RX**, and **EX-LYNX-TX** that feature HDMI over CAT6 extender family, box receiver w/ box transmitter and US and EU wall plate transmitter options.

Sonetonix will bring its latest **AC-2321-SNET**, **RS-232 TO S-NET Converter** on the floor. The network to RS232 series converter is bi-directional connector converter between RS-232 and S-NET. It is mainly used for communication between controller and peripherals. This converter converts the TXD and RXD signals of RS-232 serial port to 2 wire half duplex RS-485 signal. The low price will improve the product’s core competition, easy to access, high-speed, low-power, high-stability, and easy to install.

Sonetonix will also features its **AC-SNET-ETH**, communication interface Sonetnix network (RS 485) to ethernet converter in the EXPO 2023. S-NET TO ETH Converters connect devices with RS485 serial interfaces to a local area network for transmission of serial data over wired or wireless ethernet by converting RS485 data signals into Ethernet (TCP or UDP) packets, and vice versa. The device is easy to access, attains high-speed, has low-power with high-stability, and easy installation processes.

Sonetonix’s Halogen/Incandescent Dimmer, LC-DM-4-D, offers a wide range of dimming levels (as much as 100 steps) for enhanced smooth dimming. The Halogen/Incandescent Dimmer can be interfaced using our touch keypads or android app to control from anywhere in the room. Up to 600W loads can be controlled from a halogen/incandescent dimmer with 3A current rating per channel. It provides provision to store and re-calls up to 40 pre-set scenes and as with other Sonetnix products, all S-NET commands are available to use and program the device as per user needs, thus extending its functionality.

LC-FL-8-D, DIN rail 8 CH 0-10V Fluorescent/LED Dimmer by Sonetnix, offers a wide range of dimming levels (as much as 10 steps) for enhanced smooth dimming. The 0-10V Fluorescent/LED dimmer can be interfaced using our touch keypads or android app to control from anywhere in the room. Up to 2200W loads can be controlled from a fluorescent/LED dimmer with 10A current rating per channel. It provides provision to store and re-calls up to 16 preset scenes. As with other Sonetnix products, all S-NET commands are available to use and program the device as per user needs, thus extending its functionality.

LC-PB-8, Push Button Keypad by Sonetnix, features 8 push button keypads with the operating voltage of 12 VDC. It provides backlight LED feedback through master control, serial communication using S-NET protocol, and simple lighting solutions over standalone mode.

Furthermore, **LC-RL-8-D**, a relay controller 8 channel DIN rail, features 8 channels, with a maximum load of 10A per channel. The relay controller provides 8 channel power switching with the operating voltage 220 – 240 @50Hz VC. Third party automation modules or other Sonetnix modules are also interfaced through works on reliable 2.4Ghz S-NET communication technology to captivate an immersive experience.

Major distributors will join **AV-ICN – EIS TechInfra Solutions, Gigatronics, NTECK Systems, Infonics - distributor of Unilumin; Aaztec, Jona LED – distributor of Novastar; Vcore LED Display, Tentech Display, Enbon LED**. Other focused distributors for display include **Di Impex, Magnimage Display, Hawaii LED, Sunrise LED**. Conference Systems at the expo will be displayed by **Gigatronics and PeopleLink**. Studio Lighting for AV projects will be covered by **Canara Lighting, Leksa Lighting and Aputure**. **Epson India Pvt. Ltd., Vision Display Pvt. Ltd., Pixel Led Pvt. Ltd., NTECK Systems, Lead Vision, Optoma India, and EIS Techinfra Solutions**, will also exhibit their innovative solutions at the Expo.

The fourth edition of **CAVS** will also be held at the AV-ICN Expo 2023. Featuring faculty such as **Kairav Adhvaryu, Narendra Naidu and Satyanarayana Reddy**. The main point of the CAVS is original curriculum is designed by the faculty.

Special features in AR, VR involving 5G are also being designed this year informed Anil Chopra. These features will be highly attractive demonstrating latest technologies in 5G streaming and video projection with immersive audio.

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