

IBC

Preview

IBC is a great place to check out both new launches and to get your hands on something already announced at NAB. Here's a small taste of what's likely to be on offer

So what to expect at IBC this time?

Sony has form for saving up a few new product announcements for the big shows. Back at NAB it was the FS5 MkII plus two new models in its XDCAM pro camcorder line, the 4K PXW-Z280 and a 4K compact camcorder, the PXW-Z190. Sony will of course be showing off its full frame Venice camera but also the Venice Extension System that it unveiled at Cinegear Expo back in June. The tethered extension system allows the camera body to detach from the image sensor block with no degradation in image quality up to 20 feet apart. It's a system developed for James Cameron and the *Avatar* sequels that he'll

be shooting on the Venice but Sony says it will have wider use with handheld stabilisers, drones, gimbals, and remote mounting in confined places.

At this year's IBC, Panasonic is focusing on live production and will demonstrate for the first time the new AW-UE150 4K PTZ and the AW-RP150 camera controller, as well as its NDI|HX supported models. Also on show at IBC will be the VariCam cameras in a variety of configurations, as well as the EVA1 4K large sensor camera.

Just before NAB earlier this year, Canon announced its addition to the growing range of full frame cameras, the C700 FF. The camera is ready for shipping right about now so this will be a big push on the Canon stand. It

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Geoff ward

**Ops manager,
BBC
Studioworks**

What will you be looking out for at IBC?

We're going with an open mind. We'll be looking for innovations, smart technology and things which will bring efficiencies to our portfolio of studio and post production facilities. We are always on the lookout for things which our clients will love and which will add value. We're keen to enhance our relationships with key suppliers and make new contacts if relevant.

What stands will you head for?

On the studios side, any that showcase cameras, vision, audio, studio communications and lighting technology. We shall also be looking out for new developments in post production software and hardware.

What manufacturers interest you?

Fujinon, Canon, Sony, Crystal Vision, Decimator, Evertz, Sound Devices, Avid, ClearCom, Riedel, Studer, ETC, ELC, Trilogy, TV Logic, Telecast, Teradek and Panasonic. The list is already long, but we are also on the lookout for upstart suppliers with new technologies and ideas. In terms of new products, we're looking for compact video cameras and lightweight camera dollies among other things.

Panasonic AW-UE 150

Get a closer look at Panasonic's new AW-UE150 4K PTZ camera



comes with a newly developed Canon full frame 38.1mm x 20.1mm CMOS sensor. The camera is capable of recording up to 5.9K and also supports multi-format recording, shooting with EF, PL and anamorphic lenses and also supports Canon's autofocus system, Dual Pixel CMOS AF. The sensor can switch between full frame, Super 35mm and Super 16mm.

Blackmagic is about to start shipping the long awaited 4K version of its popular Pocket Cinema Camera. The camera, trailed at NAB, is a handheld digital film camera with full 4/3 HDR sensor, dual native ISO with up

to 25600 ISO as well as 13 stops of dynamic range. Blackmagic will also be showing the recently announced Blackmagic eGPU, a high performance graphics processor aimed at giving MacBook Pros high-end

desktop GPU power. It's aimed at those using pro creative software on the move and was designed in collaboration with Apple. It has a built-in Radeon Pro 580, two Thunderbolt 3 ports, HDMI 2.0, 85W of

charging power and four USB 3.1 connections.

Over in the world of lenses, Fujifilm, together with Musashi Optical System has recently

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Blackmagic Pocket Cinema Camera 4K

Introduced at NAB and soon to ship, Blackmagic's long awaited 4K version



Paul Francis

CTO, CTV Outside Broadcasts

What will you be looking out for at IBC?

New tools to help provide and service all the current hot technological trends i.e. IP, AI, AR, UHD and HDR

What stands will you be heading for?

CTV will be looking to visit as many of our technology partners as possible, particularly focusing on IP network control and conversion, gaining as much information as possible before we embark on our first full SMPTE

2110 facility build. The HDR/UHD workflow remains something of key interest to us and we are incredibly excited to see what the next generation of devices brings both technically and practically. Looking further ahead, the pace of development in the fields of AI and AR is always enlightening, so a good slice of time will be devoted to those innovations. Also, a trip to the Future Zone is a good way to predict the content of the main halls in five years' time!

What manufacturers interest you?

We're very interested in Axon with the Neuron and Cerebrum platforms and will also visit a host of traditional broadcast manufacturing partners, as well as network switch manufacturers / suppliers such as Cisco and Arista and Embrionix amongst others for SFP and FPGA based devices.

Are there technologies you want to find out more about?

We see one of the biggest technology trends being the beginning of new relationships between Telcom operators, production companies and outside broadcast providers. Truly affordable end to end wide bandwidth networks will make remote and remote-control production a viable possibility for those outside the very biggest broadcasters. As such, CTV are actively including the ability to deploy different parts of the traditional OB unit infrastructure to different locations in the design of near and far future trucks, in an effort to model technical facilities closely around our clients financial and creative wishes. AI technology demos have really shown that the current make up of crew and production personnel will change in the future, imagine the savings of multiple camera staff and engineers replaced by AI, not to mention the AI automation of vision switching and replay. It will be exciting to see the cost of these developments when they reach the product delivery stage. Hopefully productions from the biggest to the smallest will be able to afford the benefit of this innovation.

Any announcements you're hoping for?

A two for one pricing policy for all new products, not likely though!



Mike Ransome

Ceo, Presteigne Broadcast Hire

What will you be looking out for at IBC?

What I'm interested in as the CEO of a hire company cuts across many different sectors. First and most important, IBC is a trade show that's very good for enabling us to see a lot of customers quickly and in one place.

Practically speaking, this year I'm particularly interested in seeing just how far IP technology has progressed – or if it's progressed - in terms of routing; picture flow from

camera to transmission; and anything else that's new. IP has been a buzz acronym for two years now and standards related to it appear to be slowly firming up, but we want to see where it's going. We built our first IP-based production rig this year and it's been very successful, but we need to determine where to go next with subsequent rigs.

I'll also be looking at any new additions to camera and lens ranges unsurprisingly.

What stands will you be heading for?

Obviously, many of the big players like, but not limited to, Sony, Panasonic, Ross, Canon, Grass Valley, and EVS can expect a visit from me. However, as I mentioned, I'm interested in a broad spectrum of technology to meet the needs of my customers and not all of it comes from the anchor stands. There are a lot of smaller, agile, innovative technology providers on the Pavilions and housed in smaller stands across all the halls, so I'll be covering as much territory as my shoe leather with tolerate.

What new products are you keen to see?

This year I have a keen interest in the latest regarding RF, so I'll be going along to see DTC, VideoSys and others. Panasonic is also meant to be bringing out an interesting new 4K camera, and I'm always going to see Sony because there's always something new, but it remains a case of just how many companies large, medium and small can you get around to in four days at such a big show.

Are there technologies you want to find out more about?

Any advances in IP technologies will be of interest, but also just where 4K is going. While there are a lot of 4K products being introduced, but the number of people actually shooting in 4K is a different matter.

What will be the main themes at IBC?

IP, 4K, and an awful lot of people that I talk to are interested in HDR as they see it as a very viable alternative to full-on 4K by using it to improve the quality of HD, so I'll be interested to see if it gets any more of a look-in amidst the dual hum of IP and 4K. But that's why we go to these shows – to find out what people are talking about – right?



John O'Shaughnessey

Head of technical operations, Dock 10

What will you be looking out for at IBC?

Being a key time for dock10, in terms of technology refresh of original assets along with new business requirements, we will be looking at a wide and diverse range of products. These include: studio cameras, video switchers, routers, multi-viewers, AR/VR solutions, remote editing tools, wireless technologies (talkback and microphones), 4K/UHD test equipment.

What stands will you head for?

Grass Valley (including SAM), Avid, Sony, Hitachi, Ikegami, Ross, Zero Density, Mo-Sys, Riedel, Leader.

What manufacturers interest you?

GV – how their merger with SAM is progressing and what impacts there will be regarding future products and key staff/specialists.

Are there technologies you want to find out more about?

Latest developments and implementations in IP. Further enhancements and adoption of the SMPTE 2110 standard (and associated standards). Product support for IMF delivery.

Any announcements you're hoping for?

Improvements/developments/ more options in licence free wireless microphone products/technologies.

announced the OptMag TL-OMFF - an optical adaptor that enables the use of Super-35 format image circle PL Mount lenses on Full Frame sensor cameras without vignetting. It expands the image from the FUJINON Premier and Cabrio PL-Mount Super-35 lenses onto a 46.3mm diagonal image size - large enough to cover all of the latest larger sensor cameras on the market like the Sony Venice, the RED Weapon, and the ARRI Alexa LF.

Cooke Optics will be showing its latest lens ranges and focal lengths. The 65mm Macro and 21mm lenses for the Panthro/i Classic range are now

in production and available for demonstration for the first time on the stand, along with lenses from the S7/i Full Frame Plus range, the first large format lens set on the market, miniS4/i, Anamorphic/i, Anamorphic/i SF. Cooke says

it will announce details of a new range of lenses too.

Full frame prime lenses will also feature for Zeiss. Back in May, Zeiss introduced the Zeiss Supreme Prime family consisting of 13 lenses with fixed

focal lengths between 15 and 200 millimeters, the majority with a maximum aperture of T1.5 that are designed to cover large format camera sensors.



Advances in IP technologies will be of interest but also just where 4k is going