



Creative Content

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What You Need to Know

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- **Kindai Uni, ATEM and ESports**
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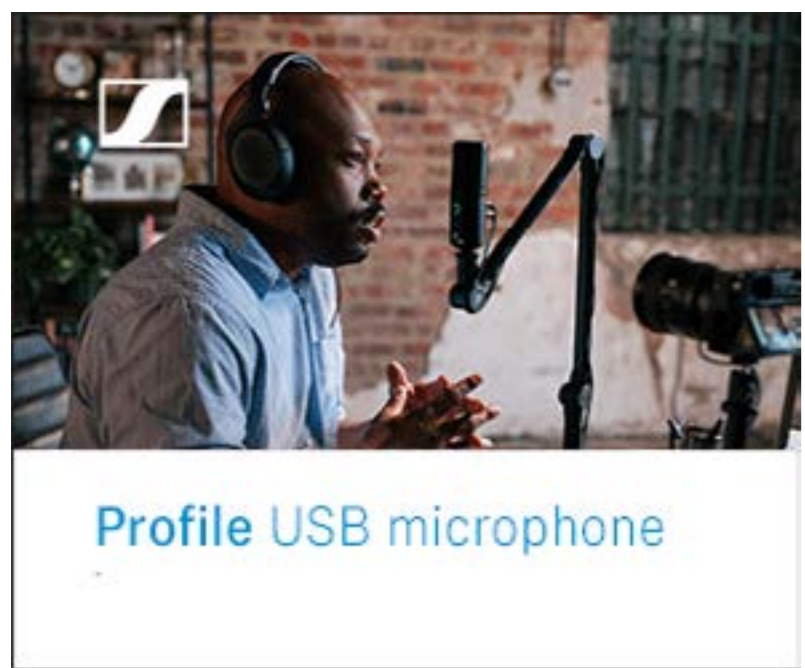


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Cover: *The Grand Prix is over for another year, but coming next is the Supercars from Perth in WA. An image from last year.*

Shot on Canon EOS R by [Ross Gibb Photography](#)



editorial

Good afternoon / evening

It's been a bit of a quiet fortnight the last two weeks, with folk gearing up for the upcoming NAB show I suspect. There has been a couple of pre-announcements such as the new Sony ZV-E1 (details on page 8) and the new updated suite of products from Maxon (page 4), but apart from another DJI announcement (page 14) that is about it.

There was a bit of a flurry of excitement over ScreenWest calling for people interested in a placement in the Kimberley – Derby to be exact – for a new TV show being filmed there, and just last week, Netflix had a similar call for people for Heartbreak High 2.

For the ScreenWest placement, see [here](#), and the details on the Netflix placement is inside on page 4.

I spent the time learning a lot more about DaVinci Resolve and have put together an overview of the Loupedeck CT working together with a Profile Pack from Sideshow-FX. If you are interested, the pre-release video is on YouTube [here](#).



(And it introduces [Maira Rae](#) as our new frontperson – we reckon she did damn well!)

Feel free to pass this e-magazine to anyone else of course, and to keep

daily up to date with everything in the world of being creative, visit <https://creative-content.au>

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news snippets from around the place

Jason: Anthony Chila's Latest Horror Film

Perth based Anthony Chila is crowdsourcing for his latest horror short film, Jason. The synopsis says "A Vampire fights his inner demons after centuries of torment. Can he get the peace he seeks?"

For more information and / or to assist, please click [here](#).



Maxon's 'Spring Release' -New Cinema 4D, Redshift, Red Giant, ZBrush, and Forger

As I have stated many times, I have been using Maxon products simply, well, forever. So a new release announcement is always a much awaited affair. And again the company has not disappointed. Of course, being a graphics, animation and video oriented company, they showcase this new collection via, what else, a video. [View it here](#).



Entry-level attachments for Heartbreak High Season 2

Netflix is offering five entry-level attachments for Heartbreak High Season 2!

The paid positions will be available across production accounting, editing, locations, costumes, and hair and makeup, with Netflix also supporting a director's attachment as a professional accelerator placement

More information is [here](#)



Cinema Direct 5G content delivery broadcast of The Australian Ballet

Telstra and media asset management specialists Silver Trak Digital will use their unique 5G Cinema Direct content delivery service for a delivery broadcast of the Australian ballet.

All the details are [here](#).



XS Wireless Digital

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Wireless means never missing the moment. It means powering on and getting straight to work. Be it a complication-free lavalier for the one-person video team, a wireless mic that's up and running right out of the bag, or something entirely different—it's a quick sync and you're good to go. Enter the world of wireless without the burden of a complex setup.

An all new way to capture audio.
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www.sennheiser.com/xsw-d



Drones on Planes; Carry On Versus Check In

One of the most common questions asked in drone forums goes something like this: “Next week I am travelling to [insert exotic place name and country] on [insert airline name]. Can I take my [insert drone brand and model] on the plane?”



So, in the interests of saving a lot of time and trouble for others to answer, I did some research today to see what the go is. And across the board, it is remarkable similar. Here is a list of the requirements to carry (drone) batteries on Australian airlines, plus British Airways as a starter, and I’ll add more inter-

nationals over the next 24 hours.

QANTAS – All batteries must be carried as hand luggage and will not be accepted in checked in bags. Up to 20 batteries less than 100watt-hours can be carried, and there is a maximum of 2 for batteries >100Wh and < 160Wh. It is recommended batteries be kept in separate containers away from each other (eg plastic bags) with terminals covered by insulation to prevent shorting.

VIRGIN – Up to 15 100Wh or less batteries can be carried as hand luggage in a device. Up to 20 batteries < 100watt-hours can be carried as spares and must be in hand luggage. Batteries >100Wh and <160 Wh in a device can be either hand luggage or in checked baggage. There is a maximum of 2 for extras batteries >100Wh and < 160Wh and these must be in hand luggage. . It is recommended batteries be kept

in separate containers away from each other (eg plastic bags) with terminals covered by insulation to prevent shorting.



REX – Batteries with a maximum of 100Wh must be kept in cabin luggage and up to 20 / passenger. A maximum of 2 Batteries > 100Wh < 160Wh is allowed, are to be carried as hand luggage only and MUST be declared. Batteries >160Wh will only be carried as freight.

Skywest - Batteries are carried as per the rules of its partner airlines Delta, United, American Airlines and Alaska Air.

British Airways – Batteries <100Wh can be carried as hand luggage in the device only with up to 4 spares in original packaging or insulated from metal contact.

Batteries kept in the device and switched off (ie not sleep mode) can be checked in. Spare batteries in checked luggage is forbidden. Batteries >100Wh and < 160Wh can be carried in devices (max 2).

Up to 2 spares can be carried kept in original packaging or insulated. Spare batteries in checked luggage is forbidden.

**To calculate Watt Hours, it is equal to battery voltage multiplied by its Amp Hours and divided by 1000.*

*ie: Wh = (V*Ah)/1000.*

Introducing
DaVinci Resolve 18.1
Massive update adds vertical video and AI enabled voice isolation!
Free Download

Profile USB microphone

New Sony ZV-E1 Vlogging Camera

Sony announced today the new **ZV-E1**, an interchangeable-lens vlog camera with a high-performance 35mm full-frame image sensor for the ultimate content creation experience.

Positioned at the top of Sony's Vlog camera line-up, it boasts Sony's E-mount¹, advanced technology, cinematic imagery with rich gradation performance, low noise, and high sensitivity. The world's most compact, lightweight body² offers outstanding mobility, whilst refined operation gives vloggers maximum creative freedom and versatility.

KEY FEATURES:

- The world's smallest, lightest, full-frame interchangeable lens vlog camera²
- Full-frame back-illuminated CMOS Exmor R™ sensor with 15+ stops of

latitude and high sensitivity

- Sony E-mount System
- BIONZ XR™ image processing engine
- AI-based Real-time Recognition AF³ and Tenacious Real-time Tracking⁴
- 4K 60p, 4K 120p Upgradable⁵
- Cinematic Vlog Setting⁶ including S-Cinetone
- 5-axis optical in-body image stabilisation and Dynamic active Mode stabilisation⁵
- AI-based Auto Framing⁷ and Framing Stabiliser⁷
- S-Gamut3.Cine/S-Log3 and S-Gamut3/S-Log3
- Breathing Compensation function⁸
- Product Showcase Setting⁹ and one-touch Bokeh Switch
- Intelligent 3 Capsule Microphone

with variable directivity

- Vari-angle touch LCD screen for easy monitoring
- Easy, stable smartphone connectivity
- Designed with sustainability in mind
- Expressive imagery that emphasises the subject

The **ZV-E1** is a dedicated vlog camera that features a 35mm full-frame back-illuminated CMOS Exmor R™ sensor, with approximately 12.1 effective megapixels, that delivers high sensitivity, low noise and gorgeous bokeh.

With up to 8 times¹⁰ more processing power than previous types, the BIONZ XR™ image processing engine markedly boosts high-sensitivity performance, gradation rendering, colour reproduction, low-noise performance, and more. The high volume



of data generated by the image sensor can be processed in real time, even when shooting 4K (QFHD: 3840 x 2160) footage at 120p¹¹. The BIONZ

XR processor also contributes significantly to improved AF speed and precision.

High-quality 4K (QFHD) video can be

recorded with full-frame readout at 10-bit 4:2:2, without the need for 40 pixel binning. This makes the expressive advantages of the full-frame

New Sony ZV-E1 Vlogging Camera (continued)

format available for video recording whilst delivering high-resolution 4K footage without moiré or artifacts.

Users can shoot 4K 60p and can upgrade up to 4K 120p through the Creators' Cloud (available from mid 2023) with extraordinarily smooth 5x (max.) slow-motion imagery¹². When directly replaying video in slow or quick motion in the S&Q mode¹³ while using the XAVC S-I format at 60p, a maximum bit rate of 600 Mbps (4:2:2 10-bit, H.264, All-I)¹⁴ delivers outstanding image quality.

When upgraded, and using the XAVC S format, up to 10x slow motion with Full HD resolution can be used at 240 fps¹⁵ providing fresh perspectives on dynamic sports and other types of action.

A 15+ stop latitude¹⁶ makes it possible to capture natural looking images in a wide variety of lighting situations

without losing highlight or shadow detail.

The standard ISO range extends from 80 to 102400 for both stills and movies. The expanded range for stills is 40 to 409600, and the expanded range for movies is 80 to 409600.

Cinematic aspirations into reality

The **ZV-E1** can create standout content with Cinematic Vlog Settings¹⁷ - an intuitive way to create scenes that look like feature movies. By choosing an appropriate Look and Mood¹⁸, anyone can create cinematic vlog footage that ideally matches the scene and creative intent. Cinematic Vlog Setting include 'Looks'¹⁹ that delivers natural mid-tones, plus soft colours and smooth highlights that are essential to cinematic look and enhance skin tones, 'Moods'²⁰ that emphasise specific colours, and AF

transition speed²¹ that determines how quickly autofocus will switch between subjects. The overall cinematic feel is further enhanced by a 24 fps²² framerate and the widescreen CinemaScope aspect ratio (2.35:1)²³ with black bands above and below the image.

For a truly cinematic look, the **ZV-E1** features S-Cinetone. Based on Sony's Cinema Line technology, S-Cinetone delivers natural mid-tones that are essential to healthy-looking skin colour to deliver cinematic quality.

A selection of new Creative Looks makes it easy to create interesting looks for stills and video right in the camera. 10 Creative Looks are provided as presets that can be used as they are or customised. What's more, newly added My Image Style²⁴ makes it possible to shoot in the Intelligent Auto or Scene Selection mode, icons

on the touch-sensitive monitor make it easy to directly adjust background bokeh, brightness, and colour tone, as well as select a Creative Look.

AI plus leading technology delivers consistently stunning imagery

Real-time Recognition AF incorporates an innovative AI processing unit that uses subject form data to accurately recognise movement - human pose estimation technology uses learned human forms and postures to recognise not just eyes, but body and head position with high precision, making it possible to lock onto and track a subject facing away from the camera. The AI processing unit can even differentiate between multiple subjects having different postures and recognition of individual faces has also been improved so that tracking reliability is achieved in challenging situations such as when a subject's face is tilted, in shadow, or backlit. In addition to Human and Animal²⁵, the AI processing unit now



unit and gyro sensors with optimised algorithms achieve up to 5.0-step²⁸ stabilisation that helps to deliver the full image quality potential of the **ZV-E1**. Camera shake is detected and effectively corrected in 5 axes²⁹ and the in-body image stabilisation of the vlog camera can provide effective

in a prominent position when shooting video. Even without moving the camera the framing is continually adjusted to follow the subject smoothly, which will be also help...

For the rest of the story, [click here](#).

Kindai University Employs ATEM Switcher Workflow for its Esports Facility

Kindai University, one of the largest universities in western Japan, has installed a number of Blackmagic Design products in its esports facility.

The new setup is one of the best esports facilities among schools in Japan and is built around a Blackmagic Design workflow, including ATEM Constellation 8K and ATEM Mini Extreme ISO live production switchers, Web Presenter HD streaming solution, Smart Videohub 40x40 routers, HyperDeck Studio HD Plus broadcast decks and many other Blackmagic Design products.

Esports is very popular, but only a few Japanese universities have esports facilities.

Kindai University decided to cre-

ate an esports facility and installed streaming, audio and lighting equipment as well as gaming PCs.

The university made sure that students could use the same gear that professionals use in an actual esports workflow when choosing equipment for its facility.

The new facility has numerous gaming PCs connected to a game server, allowing students to freely enjoy esports.

When an event is being streamed, there are many cameras and gaming PCs in use, so the number of inputs needed is very high.

All of the input signals from various sources are sent to an ATEM Constellation 8K via Smart Videohub 40x40

router and are then switched using an ATEM 2 M/E Advanced Panel 20.

Several HyperDeck Studio HD Plus broadcast decks record the switcher's program outputs and are used as media players to play back video sources.

Other equipment includes SmartView 4K and SmartScope Duo 4K monitors for video and waveform monitoring, DeckLink Mini Recorder for video capture, Blackmagic MultiView 4 monitors and Mini Converter HDMI to SDI 6G and Micro Converter SDI to HDMI 3G.

The esports facility is available for students to use freely. It is also available for rental to outside parties, and events like



The Kansai (western Japan) regional final of STAGE:0, a national esports tournament for high school students, have been held at the facility.

The facility's popularity with students

is evident in its utilization rate. When it first opened, Kindai University was concerned that students would be overwhelmed to use professional gear, but the students have learned quickly.

The university hopes that the students will continue to take the lead in using the facility for various projects and learn many things through the experience

New DJI Goggles and Motion Controller

DJI today introduced DJI Goggles Integra and DJI RC Motion 2, the latest way to interact with DJI Avata.

With advanced micro-OLED screen displays, ultra-low latency DJI O3+ video transmission, and integrated design, DJI Goggles Integra provides a truly integrated, immersive flying experience. To complement these new goggles, DJI RC Motion 2 offers ergonomic construction and added features to enhance flight control. Together, these two new tools elevate DJI Avata to new levels.

"Get ready to experience a whole new level of flying with our latest

products," said Ferdinand Wolf, Creative Director at DJI. "DJI Goggles Integra and DJI RC Motion 2 offer unparalleled control and comfort for an immersive first-person flight experience, making it easier and more fun to fly DJI Avata."

from loose connecting cables and allowing them to take the goggles on and off with ease. The built-in battery headband is light, balanced, and incredibly comfortable, offering up to two hours of operating time.

Two HD 1080p Micro-OLED screens deliver true-to-life colors, and stunning highlights, and detailed shadows with an impressive brightness of 700 nits. The screens have a 100 Hz refresh rate and TÜV Rheinland Low

Blue Light Certification, ensuring a smoother and more comfortable viewing experience.

DJI Goggles Integra: Lightweight, Comfortable, and Ready to Soar

FPV Goggles boasts an integrated design that merges the headband and battery into one, freeing pilots

DJI O3+ video transmission technology offers ultra-low 30 ms latency and stable video transmission for

high-speed aerial photography. Built-in GPS allows users to fly without connecting to a smartphone. DJI RC Motion 2: Your Flight, Your Way

It has never been easier to take control of the sky thanks to the new and improved DJI RC Motion 2. Featuring motion-sensing technology and an upgraded joystick, users of all levels can easily navigate, maneuver, and explore the skies in a unique way.

RC Motion 2 introduces an upgraded joystick and accelerator with a reverse function to support multidirectional flight, including vertical, backward, and sideways, making it easier to adjust the direction or choose a suitable place to land.

With precise accuracy and richer dynamic movement, anyone can now tackle complex flight maneuvers

with confidence. The Fn dial lets users quickly adjust the camera's ISO, shutter, and other parameters without having to interact with the goggles.



When combined with DJI Avata and DJI Goggles Integra, the user's hand movements dictate the aircraft's flight direction, delivering an immersive flight experience that feels like they are in the pilot seat.

With the DJI Fly app, users can also connect the DJI Goggles Integra to their smartphone, display a real-time camera view to their goggles and smartphone simultaneously, and even share the view with friends for

a truly stunning and immersive flight experience.

Price and Availability

DJI Goggles Integra and DJI RC Motion 2 will be available for purchase today from authorized retailers and at www.store.dji.com in several configurations.

DJI Goggles Integra is available for AUD \$869. DJIRCMotion2isavailableforAUD\$279. DJI Avata Pro-View Combo (DJI RC Motion 2) includes DJI Goggles 2, DJI RC Motion 2, and DJI Avata and is available for AUD \$2039. The DJI Avata Explorer Combo includes DJI Goggles Integra, DJI RC Motion 2, and DJI Avata and is available for AUD \$1809.

Full details can be found at www.dji.com/goggles-integra and www.dji.com/rc-motion-2

New Aussie Designed FLUX Keyboard

There has been many attempts at a "new" keyboard type, but this one from Australian company Flux, is a bit different to say the least.

Yesterday it launched the Flux Keyboard, a keyboard that combines the speed and precision of a mechanical keyboard with the adaptability of an embedded display. This display gives its users the ability to show any icon or character that the user desires on each transparent key, allowing the display of different languages, application-specific shortcuts and styles. Any image, video or even reactive animations can be made into a background on the full



high-definition IPS display. Instead of traditional mechanical switches or rubber domes found

on the majority of keyboards on the market, the Flux Keyboard uses Flux's Maglev switches which rely on magnets alone to provide the return mechanism. This results in an ultra-low friction operation and can provide a tactile or linear feel.

Each key also has a user-adjustable actuation point which allows for up to 0.1mm of precision thanks to the Flux Keyboard's hall effect sensors.

The hall effect sensors are ideal for gamers and provide the Flux Keyboard with a polling rate of 1,000hz, a response time of 1-2 milliseconds and rapid-trigger functionality.

The Flux Keyboard features a series of modules that can be added or removed along its top length in any combination, providing users with additional customisability and tactile ways to interact with their desired applications and streamline workflows.

More information available [here](#).



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