

MEDIA RELEASE

**Panasonic LUMIX GH5S for the video professional:
Introducing Dual Native ISO for impressive low-light performance**



Sydney, January 9, 2018 – Panasonic has unveiled the LUMIX GH5S, a new addition to the G Series lineup with exceptional low-light performance for the professional videographer. The GH5S will be available in Australia in February 2018.

A companion model to the highly successful DC-GH5 hybrid digital single lens mirrorless camera, the GH5S incorporates a 10.2-megapixel Digital Live MOS Sensor and Venus Engine with – in a first for LUMIX - Dual Native ISO technology delivering a maximum ISO of 51200.

Scott Mellish, Product Marketing Manager, Imaging, Panasonic, said: “Dual Native ISO was originally developed for Panasonic’s Varicam broadcast cameras. This capability has received critical acclaim from professional cinematographers who need to work creatively in challenging lighting conditions without compromise.

“We are very excited to see this technology become accessible to LUMIX G Series customers, who will enjoy the vibrancy and greater artistic latitude provided when shooting with the GH5S in low light situations.”

The GH5S offers a number of other capabilities that video specialists will appreciate. A slightly larger multi-aspect sensor provides sufficient margin to allow all aspect ratios to have the same angle of view – including Cinema 4K; 4K; Anamorphic 4:3 in video recording; and 4:3, 16:9 and 3:2 in photo shooting.

For situations where extreme slow-motion is required, the variable frame rate has been increased to up to 240 frames per second (fps) in Full HD (maximum 10x slower); and the GH5S also records overcranked / undercranked video in C4K/4K (60 fps, maximum 2.5x slower)ⁱ.

Other convenient features include V-Log L profile and LUT (Look Up Table) pre-installed in the camera, so users can immediately play videos recorded in V-Log L. The GH5S is also at home in the studio interfacing with other broadcast cameras thanks to its compatibility with Time Code IN/OUT. This is easy to set up using the flash sync terminal and bundled BNC converter cable.

The GH5S is further optimised to provide excellent autofocus in low-light environments, with -5EV luminance detection in Low Light AF. Live View Boost allows scenes to be electronically illuminated in almost total darkness to check accuracy in Live View before shooting; and to support this, the magnification ratio in MF Assist has been increased to 20x. Night Mode – which aids the photographer’s night vision - can be selected to put a red cast over the viewfinder and/or the LCD display.

Scott Mellish explained that the GH5S “would be ideal for a professional wedding videographer who uses a run and gun camera like the GH5 for daytime shoots, but also needs a tripod-mounted camera to capture speeches in low-light at the reception without any loss in quality.”

Other key features include 4K 10-bit 4:2:2 25/30p video recording to SD Cardⁱⁱ and 4K quality video at 50/60 fps in Cinema 4K (4096 x 2160)ⁱⁱⁱ. The GH5S is built for the professional, incorporating a weather-sealed body, large-capacity batteries, dual UHS-II SD Card slots and convenient Bluetooth and Wi-fi connectivity.

DC-GH5S pricing and availability:

The DC-GH5S will be available in Australia in February 2018 from photographic specialists and consumer electronics retailers.

DC-GH5SGN-K - Body only: \$3499 RRP

Also compatible with:

DMW-BGGH5E - Accessory Battery Grip: RRP \$399

DMW-XLR1E - XLR Microphone Adaptor: RRP \$499

Additional Features

Digital Live MOS Sensor with Dual Native ISO

Dual Native ISO is a technology that seamlessly bridges two separate native ISO circuits, and is used in Panasonic’s professional Varicam cameras. In the GH5S, Dual Native ISO minimises noise generation by choosing the optimal circuit to use according to the sensitivity before gain processing. As a result, it allows a maximum ISO 51200 high sensitivity recording. Dual Native ISO can be switched manually between LOW (ISO160-800/Native 400) and HIGH (ISO800-51200/Native 2500).

Professional capabilities

The GH5S incorporates 400-Mbps 4:2:2 10-bit All-Intra video recording in 4K 30p/25p/24p and 200-Mbps All-Intra in Full-HD; 4K video recording in Anamorphic mode; 4K Hybrid Log Gamma Profile compatible with 4K HDR television; and USB tethering.

Fast Response

Contrast AF with DFD^{iv} (Depth From Defocus) technology allows the GH5S to achieve fast AF of 0.07 sec^v (approx.). In high-speed burst shooting the camera captures 12 fps (AFS)/ 8 (AFC) in 12-bit RAW and 11 fps (AFS) / 7 (AFC) in 14-bit RAW. The camera also incorporates 4K Photo, capturing 60 fps in 8-megapixel resolution. For amazingly precise focusing, users can create a group of 225 focus areas and move or change it in size according to the composition. Panasonic also offers Face/Eye Recognition, Tracking AF, 1-area AF and Pinpoint AF.

Rugged, mobile design for field use

The DC-GH5S has a magnesium alloy full diecast front/rear frame. Secure construction and sealing for every joint, dial, and button ensure the camera is not only splash^{vi} and dust-proof but also freeze-proof down to -10 degrees Celsius.

The DC-GH5S offers dual SD Memory Card slots, compatible with high-speed, high capacity UHS-II and Video Speed Class V60/V90. Users can select Relay Recording, Backup Recording or Allocation Recording modes.

The OLED Live View Finder (3,680K-dot) ensures precise focus with a stunning magnification of 0.76x (35mm camera equivalent), 100% field of view and a smooth 120fps display. In addition to dual dials, an omni-directional joystick enables intuitive and flexible operation.

Field work is streamlined with Bluetooth 4.2 Low Energy connection and secure 5GHz Wi-Fi® (IEEE 802.11ac), providing convenient remote control and sharing with other devices, and faster data transmission.

For further information on the DC-GH5S, please visit www.panasonic.com.au or call 132 600.

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ⁱ In 24p playback. Effect value varies depending on the recording format and frequency. The angle of view narrows when a frame rate of 204 or more is selected.

ⁱⁱ 4:2:0 8-bit in C4K 60p/50p and 4K 60p/50p recording on an SD Memory Card.

ⁱⁱⁱ As of January 8, 2018 as a Digital Single Lens Mirrorless camera that complies with Cinema 4K (C4K: 4096x2160) resolution defined by Digital Cinema Initiatives (DCI). According to a Panasonic study.

^{iv} Contrast AF with DFD Technology works only with Panasonic Micro Four Thirds lenses.

^v In AFS, at wide-end with H-ES12060 (CIPA).

^{vi} Splash Proof is a term used to describe an extra level of protection the GH5S offers against exposure to a minimal amount of moisture, water or dust. Splash Proof does not guarantee that damage will not occur if this camera is subjected to direct contact with water.