

**Canon**

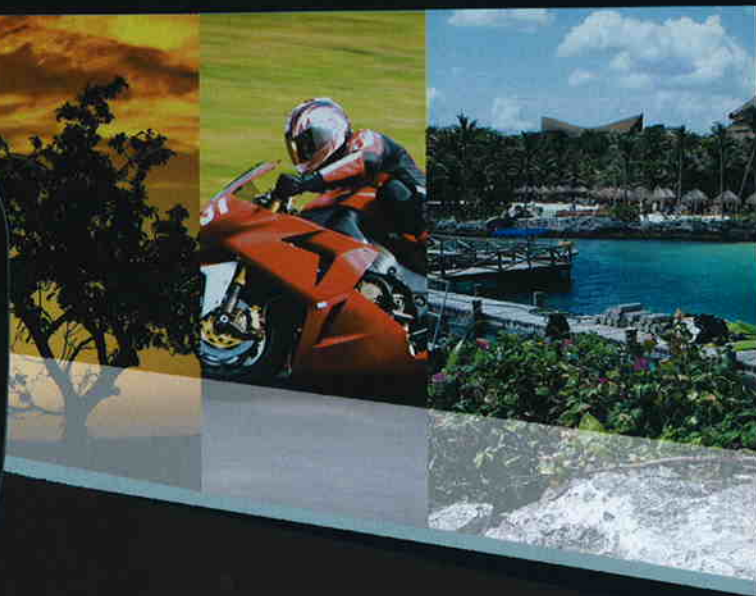
Delighting You Always



**XH A1**  
**XH G1**

**HDV™**  
HDV 1080i

**3-CCD HIGH-DEFINITION VIDEO CAMCORDER**



## A NEW LEVEL OF HDV PRECISION

For the consummate video professional, the best equipment is necessary in order to achieve perfection. Which is why Canon's industry-leading XL H1 HDV camcorder has established itself as the equipment of choice for many of today's digital broadcast professionals. Its unprecedented array of broadcast-quality features makes it perfect for all filming purposes including documentaries, commercials and news reporting.

Following the success of the XL H1, Canon is releasing two new 3-CCD HDV camcorders capable of recording stunning 1080i video - XH A1 and XH G1. The new XH A1 and XH G1 provide broadcasters, cinematographers and production houses with a full line of professional, high quality, cost-effective HDV solutions. With the addition of these two models, Canon now has a comprehensive range of HDV camcorders to meet the needs of both professionals and consumers.

Both the XH A1 and XH G1 feature key technologies such as Canon's revolutionary DIGIC DV II imaging processor, three 1/3" 1.67-megapixel (1440 x 1080 pixels) CCDs, a 20x zoom lens with Super Range Optical Image Stabilizer, Instant AF System and many other professional functions in a compact body - allowing users the dual benefits of shooting mobility and total image control.

The XH G1 comes with a professional backpack, which features HD/SD-SDI output with embedded audio and time code, as well as GENLOCK synchronisation and SMPTE Time Code In/Out functionality. Whether used as a main camera or as a secondary one, the XH A1 and XH G1 are a perfect combination of performance, mobility and affordability, suitable for all types of broadcasting needs.



**HDV**™  
HDV 1080i



**OPTICAL**  
IMAGE  
STABILIZER

# OUTSTANDING IMAGING PERFORMANCE

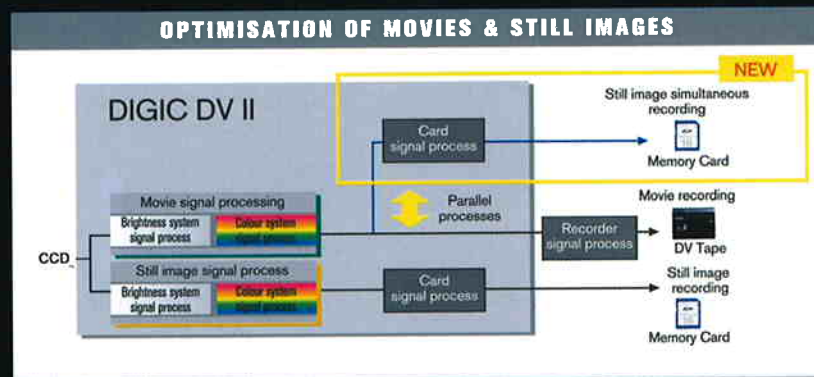
## Powerful DIGIC DV II Imaging Processor



To produce optimum image quality for High-Definition Video (HDV), the XH A1 and XH G1 are powered by Canon high-performance DIGIC DV II imaging processor, which allows high-speed processing of HDV 1080i data at 4.5x the SD ratio. High data throughput combined with ultra-fast processing speeds ensures the XH A1 and XH G1 are fast enough to cope with the demands of HDV recording.

Improved colour reproduction precision and a wider tonal reproduction range (effective especially for skin tones and dark & bright scenes) are also possible with DIGIC DV II. DIGIC DV II deals with gamma and knee parameters independently, allowing gradation to be expressed adaptively. A hybrid noise reduction system, which employs inter-frame and intra-frame prediction, ensures video output from the XH A1 and XH G1 are virtually noise-free and of an excellent image quality.

DIGIC DV II enables the camcorders to simultaneously shoot 2-megapixel resolution still images through the use of its dual processing channels, allowing both camcorders to have high-speed continuous shooting capabilities of up to 4.1 fps (PAL)/ 5 fps (NTSC), and higher writing speed to Hi-Speed SD memory cards for faster card operation.



## Superior 3-CCD Performance

The XH A1 and XH G1 both feature three separate 1/3-inch 16:9 interlaced HD CCDs with 1.67 megapixels (1440 x 1080 pixels) for each primary colour. Together with separate RGB primary filters, exceptional video resolution and picture quality is achieved, with precise colour reproduction and a wide dynamic range with virtually no colour noise.



### EFFECTIVE PIXELS (PER CCD)

#### Movie

When SD (4:3) aspect ratio is selected	Approx. 1.17-megapixels (1080 x 1080)
When SD (16:9) aspect ratio is selected	Approx. 1.56-megapixels (1440 x 1080)
When HD is selected	Approx. 1.56-megapixels (1440 x 1080)

#### Still Image

When SD (4:3) aspect ratio is selected	Approx. 1.17-megapixels (1080 x 1080)
When SD (16:9) aspect ratio is selected	Approx. 1.56-megapixels (1440 x 1080)



CANON HD VIDEO