

# JVC Professional Sales Information

## GW-SP100E camcorder

# JVC

June 2015

### New GW-SP100E camcorder

The JVC GW-SP100E is a 4KCAM remote camera head and recording unit; the system includes the camera head, a recording/playback device with built-in monitor and a RCU controller.

The GW-SP100E uses JVC's new Super 35mm CMOS 13.6 Megapixel image sensor, and features a MFT mount for flexible adaptation to lenses and other mounts to enable the camera to use a large selection of lenses. It records at HD and 4K Ultra HD, at 4:2:2 150Mbps, and supports up to 50/60p recording in both HD and 4K. HD recording in H.264 50 Mbps or AVC HD. 4K footage is recorded as a single file in AVC H.264 format at 150Mbps.



Lens not included

There's a FOV (Field of View) menu selection too, supporting filming in a number of resolutions including Super 35mm, UHD & HD, MFT, Super 16mm and a variable selection – this allows the user to adapt their lens selection to avoid vignetting. The GW-SP100E camera system features a video unit with a foldable and detachable 7-inch HD LCD monitor and includes a wired dedicated remote and camera control panel. The recording unit also comes with a RCU to perform major operations. Ideal for any production environment, the GW-SP100 features HDMI and also 4x SDI (quad outputs). Thanks to the system's two dual codecs and four card slots (two for 4K, two for HD), the camera can record 4K+4K and HD+HD (continuous/back-up recording), making it a very flexible system. Recording is via cost-effective SDHC/SDXC cards; a single 64GB UHS-I U3 SDXC card provides around an hour of recorded 4K footage at 60p. Since the camera head is separate from the recorder, this opens up many dedicated applications for the system, including use for industrial or film applications, on special vessels/cranes/trucks, or as a high-resolution microscope camera and recording system.

#### Simultaneous recording of 4K and HD videos - safe for backup:

- 4K+4K, HD+HD, 4K+HD\* recording
  - Series recording, dual recording, and proxy\* recording
  - SDHC UHS-1(U3) (capable of 50-min recording of 64GB at 4K/60p)
  - Synchronized application of multiple cameras\*
- \*Available as feature update.

#### Small, lightweight desing and remote operation:

The separate design contributes to its small size and versatility. Cables in 3 sizes of 1m, 5m and 10m are available optionally for added reach with remote controlled operation.



#### Please note:

Following functions would be available with the new firmware update from mid/end of August 2015. The new firmware can be downloaded from our JVC homepage.

- 4K recording 4:2:2
- 4K+HD recording 23.98p
- HD recording 35Mbps
- Gen lock
- Time code In/Out
- HD proxy recording

June 2015

## Technical specifications

GW-SP100		
General		
Power		DC 7.4V (using battery), DC 11V to 17V (using AC adapter)
Dimensions (W x H x D)	Camera	89 x 80 x 51 mm
	Video	248 x 62 x 265 mm (with LCD unit installed: H 82 mm)
	Controller	150 x 100 x 30 mm
Mass (approx.)	Camera	265 g without lens
	Video	Approx. 1.6 kg When installed with two SSL-JVC50 batteries: Approx. 2.1 kg When installed with two SSL-JVC50 batteries and LCD unit: Approx. 2.6 kg
	Controller	Approx. 235 g
Temperature		Operating: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 50°C (-4°F to 122°F)
Humidity		30% to 80%
Camera		
Image sensor		Super 35mm 13.6M CMOS
Lens mount		Micro FourThirds Mount
Main unit		
Recording media	4K	SDHC/SDXC UHS-I (UHS Speed Class 3 or more)
	HD	SDHC/SDXC (Class 10 or more, class 4 or more for AVCHD recording)
Number of recording media slots		4 (4K: 2/HD: 2)
Recording format	4K	MPEG-4/AVC H.264 (.MOV)
	HD	MPEG-4/AVC H.264 (.MOV), AVCHD (.MTS)
Recording mode/ Frame rate	4K (.MOV)	3840 x 2160/59.94p, 29.97p, 23.98p* <sup>1</sup> , 50p, 25p; VBR: Max. 150Mbps
	HD (.MOV)	1920 x 1080/59.94p, 29.97p, 23.98p* <sup>1</sup> , 50p, 25p, 59.94i, 50i; VBR: Max. 50Mbps
	HD (.MTS)	1920 x 1080/59.94p, 50p, 59.94i, 50i; VBR: Max. 28Mbps
Audio format		2ch LPCM/2ch AC3 (AVCHD)
LCD		7-inch (1920 x 1080) Full HD Removable, foldable
Terminals		
Video output* <sup>2,3</sup>		3G-SDI x 4 (4K: 3G-SDI x 4/HD: 3G-SDI x 1) HD-SDI x 1 HDMI x 1 (4K/HD), AV x 1
Audio input		XLR x 2 (MIC/MIC + 48V/LINE)
AUX		3.5 mm diameter stereo mini jack (-22dBu, 10kΩ)
Headphones		3.5 mm diameter stereo mini jack
USB		Device: Mini USB-B type, USB 2.0, slave function (mass storage class only) Host* <sup>1</sup> : USB-A type, USB 2.0
Remote		Terminal 1: Mini DIN 6-pin Terminal 2: 2.5mm wired remote
Genlock input* <sup>1</sup>		BNC 1.0V (P-P), 75Ω
TC terminal* <sup>1</sup>	IN	BNC 1.0 to 4.0V (P-P), High impedance
	OUT	BNC 2-0 (P-P), Low impedance
DC input* <sup>4</sup>		XLR 4-pin

June 2015

### Optional accessory

#### Cable for camera unit (1m/5m/10m)

Metal cable adapter KA-MA001 required when using the 5m or 10m cable.



1m: KA-SC001G

5m: KA-CC005G  
 10m: KA-CC010G  
 + KAMA001E

#### Lithium-Ion Batteries

Uses 2 lithium-ion batteries. Please see all batteries and kits below.



IDX-Q10E

IDX-JPE2-E

SSL-JVC50

SSL-JVC75

#### Please note:

For operating the GW-SP100E camera system you need either the 1m cable or the combination of 5m or 10m cable with the additional interface, see in the price list below (KA-MA001E).

Setup sample with 5m cable: GW-SP100E  
 + KA-CC005G  
 + KA-MA001E  
 + IA60A  
 + CA-4XLR  
 + IDX-JPE2-E

### Pricing and availability

Product name	Description	Availability	List price*
GW-SP100E	Remote head 4KCAM camera system	June 2015	13.000,- €
KA-SC001G	1m cable for GW-SP100E camera system	June 2015	850,- €
CA-4XLR	3m power cable for GW-SP100E camera system and IA-60A	June 2015	47,- €
IA-60A	60W AC Adaptor Power Supply	June 2015	270,- €
KA-CC005G	5m cable for GW-SP100E camera system	June 2015	250,- €
KA-CC010G	10m cable for GW-SP100E camera system	June 2015	350,- €
KA-MA001E	Interface for 5m and 10m cables	June 2015	2.400,- €
SSL-JVC50	IDX lithium spare battery (at least 2 should be used)	June 2015	175,- €
SSL-JVC75	IDX lithium spare battery	June 2015	205,- €
LC-2J	Charger for IDX batteries	June 2015	160,- €
IDX-Q10E	IDX Power pack kit: includes 2 batteries (SSL-JVC50) & 1x twin loading station	June 2015	525,- €
IDX-JPE2-E	Power pack: includes 2 batteries (SSL-JVC75) & loading station	June 2015	585,- €