

4K CAM

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GW-SP100 camera Product introduction



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Product overview

Remote camera head recording system

- 4K Ultra HD and full HD capabilities
- Many dedicated applications, including industrial or film use on vessels, cranes & trucks
- Also many research field applications, including use with microscopes to document contents in full 4K or 2K



Lens not included

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Product overview

Main features



- **4K/2K recorder**
- **7-inch detachable full HD display**
- **Super 35mm sensor camera head**
- **MFT mount for flexible lens options**
- **1m, 5m and 15m cable options**
- **Camera and recorder control unit**

Features with * only available after update – **internal information only**

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Product overview

Main features



7-inch full HD detachable display

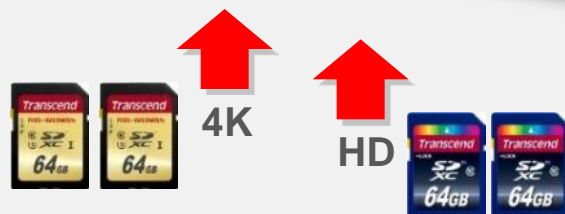
4K /60p
and HD

Different
cable options

Network ready
(Wi-Fi, 3G/4G)
Future update



- Super 35mm sensor
- MFT mount (without lens)



2x dual media slots for
4K and 2K recording

HDMI 2.0,
4x 3G HD-SDI,
and 1x HDSDI

Wired remote
control for
recording
& camera



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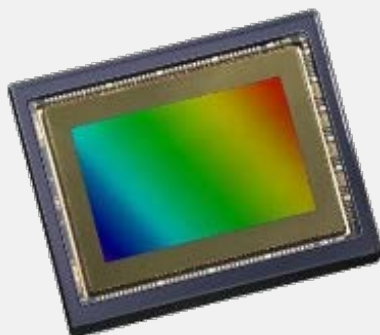
Product overview

Super 35mm sensor

- Altasens large Super 35mm sensor
- 23.5 x 15.6mm
- 13.6 Megapixel
- 4512x3008 pixels



Lens not included



4K Super
35mm

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Product overview

Recording formats

■ Resolutions

- 3840x2160 up to 60P 150Mbps
- 1920x1080 up to 60P 4:2:2 50Mbps
- 1920x1080 100/120P by using 2 slots

■ Codec

- MPEG-4 AVC/H264 (4K/HD/SD)
- AVCHD (HD/SD)

■ File format: MOV/H264 & MTS (AVCHD)



4K



HD



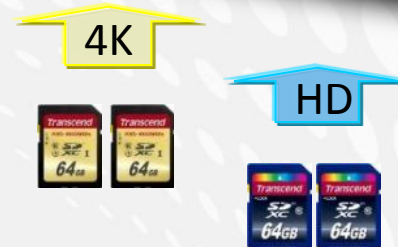
Features with * only available after update

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Product overview

Recording formats

- Two SDHC/SDXC card slots for HD
- Two SDXC UHS-1 U3 for 4K recording
- Reliable and readily available media
- High capacity cards available
 - 7+ hours HD on a 128GB SDXC card
 - About one hour recording time at 4K/60p on a 64GB SDXC card



15 hours @ 35Mbps



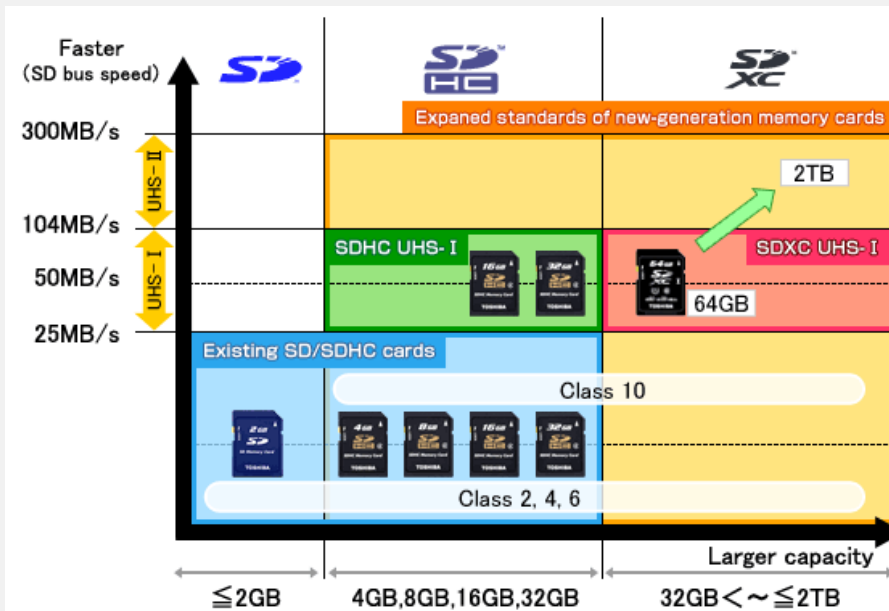
AVCHD

Proxy

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SDXC road map



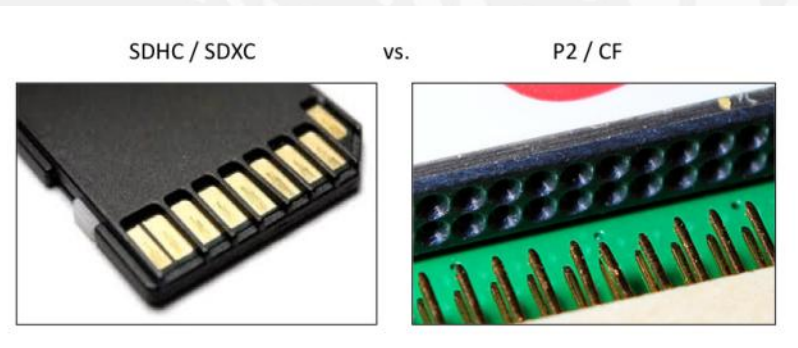
SDHC vs. CF cards

SDHC cards

- Flat, gold-plated contacts
- Hermetically sealed
- Robust media

CF cards

- Thin pins with corresponding holes
- Easy to bend and jam



Product overview

Recording options



Normal: Normal recording

Series Rec: When the capacity of the SD card under the record becomes full, recording is automatically continued on the other SD card.

Dual Rec: Record the same image to two slots

Backup Rec: Record start/stop timing can be set individually in two slots

Pre Rec: When the record begins from the record standby state, the other slot records from before the set number of seconds

Clip Continuous: Combine the recorded clips into one clip file when the Cancel button is pushed or the REC button is long-pushed

Frame Rec: Record the number of set frames when the REC button is once pushed. Combine the recorded clips into one clip file when the Cancel button is pushed or the REC button is long-pushed

Interval Rec: Repeat by a set interval that record the number of set frames when the REC button is once pushed. Combine the recorded clips into one clip file when the Cancel button is pushed or the REC button is long-pushed

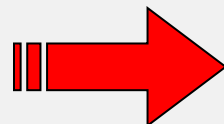
Auto Media Change: When an active slot cannot be recorded, the active slot is automatically switched to the other media.

Product overview

Recording option combinations



Slot	C/D	A/B	A/B/C/D	A/B
	HD mode	4K mode	4K+HD mode (Proxy Rec)	Future modes
Normal	⊙	⊙	⊙	○
Series Rec	⊙	⊙	○	○
Dual Rec	⊙	⊙	○	
Backup Rec	○	○		
Pre Rec	○	○		○
Clip Continuous	○	○		
Frame Rec	○	○		
Interval Rec	※	※		
Auto Media Change :	⊙	⊙	○	○



Outputs

- HDMI 2.0 for 4K 60P out
- Single HD-SDI out
- 4x 3G HD-SDI out for 4K professional monitoring and playback
- Composite 3.5mm out

4 times HDSDI out to work with JVC DLA-SH7
Professional 4K projector.

Feature with * only available after update – **internal information only**

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- **Mini 6 Pin wired cable connection**

- **Controls**

- Auto / manual / zooming / colour gain / spot meter (depending on Lens)
- Focus assist / AF area (if lens supports it)
- Exposure / shutter speed
- Aperture / white balance / preset AWB
Paint FAW white shading
smooth transition
- LoLux / H/V detail / Colour matrix
- Manual gain AGC limit smooth trans.
- Knee / master gamma / master black
- Black toe / white clip / DNR



- **Many features are subject to change**

4K CAM



GW-SP100 camera
Thank you!

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