

Specifications

High Definition Video Camera

Information for your safety

Power source:	DC 9.3 V (When using AC adaptor) DC 7.2 V (When using battery)	
Power consumption:	Recording;	Charging;
	(HDC-TM900)	(HDC-TM900)
	6.4 W	10.3 W
	(HDC-HS900)	(HDC-HS900)
	7.4 W	10.9 W

Signal system:

1080/60p, 1080/60i, 540/30p

Recording format:

[1080/60p]; Original format

[HA]/[HG]/[HX]/[HE]; AVCHD format compliant

[iFrame]; MPEG-4 AVC file format compliant (.MP4)

Image sensor:

1/4.1" 3MOS image sensor

Total; 3050 K×3

Effective pixels;

Motion picture; 2530 K×3 (16:9)

Still picture; 2320 K×3 (4:3), 2630 K×3 (3:2), 2530 K×3 (16:9)

Lens:

Auto Iris, 12× Optical Zoom, F1.5 to F2.8

Focal length; 3.45 mm to 41.4 mm

Macro (Full range AF)

35 mm equivalent;

Motion picture; 35 mm to 420 mm (16:9)

Still picture; 38.8 mm to 466 mm (4:3), 35.7 mm to 428 mm (3:2), 35 mm to 420 mm (16:9)

Minimum focus distance;

Normal; Approx. 4 cm (1.6") (Wide)/Approx. 1.2 m (3.9 feet) (Tele)

Tele macro; Approx. 70 cm (28") (Tele)

Intelligent auto Macro; Approx. 1 cm (0.4") (Wide)/Approx. 70 cm (28") (Tele)

Filter diameter:

46 mm

Zoom:

12× Optical Zoom, 20× i.Zoom, 30×/700× Digital Zoom

Image Stabilizer function:

Optical (Hybrid Optical Image Stabilizer, Active Mode, Optical Image Stabilizer Lock function)

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VQT3K69

Monitor:

3.5" wide LCD monitor (Approx. 460 K dots)

Viewfinder:

0.24" wide EVF (Approx. 263 K dots)

Microphone:

5.1 channel surround microphone
(with a zoom microphone/focus microphone function)

Speaker:

1 round speaker, dynamic type

White balance adjustment:

Auto tracking white balance system

Standard illumination:

1,400 lx

Minimum required illumination:

Approx. 1.6 lx (1/30 with Low light mode in the Scene mode)

Approx. 1 lx with the Color Night Rec function

AV multi connector video output level:

Component video output level;

Y; 1.0 Vp-p, 75 Ω

Pb; 0.7 Vp-p, 75 Ω

Pr; 0.7 Vp-p, 75 Ω

AV video output level;

1.0 Vp-p, 75 Ω , NTSC system

HDMI mini connector video output level:

HDMI™ (x.v.Color™) 1080p/1080i/480p

AV multi connector audio output level (Line):

316 mV, 600 Ω , 2 ch

Headphone output:

77 mV, 32 Ω (Stereo mini jack)

HDMI mini connector audio output level:

[1080/60p], [AVCHD]; Dolby Digital/Linear PCM

[iFrame]; Linear PCM

MIC input:

-70 dBV (Mic sensitivity -50 dB equivalent, 0 dB=1 V/Pa, 1 kHz)

(Stereo mini jack)

USB:

Reader/writer function

SD card; Read/Write (No copyright protection support)

HDC-TM900

Built-in memory; Read only

HDC-HS900

HDD; Read only

Hi-Speed USB (USB 2.0), USB terminal Type Mini AB

USB host function (for DVD burner)

Flash:

Available range; Approx. 1.0 m to 2.5 m (3.3 feet to 8.2 feet)



Dimensions:**HDC-TM900**

66 mm (W)×72 mm (H)×146 mm (D)

[2.60" (W)×2.83" (H)×5.75" (D)] (excluding projecting parts)

HDC-HS900

67 mm (W)×72 mm (H)×146 mm (D)

[2.64" (W)×2.83" (H)×5.75" (D)] (excluding projecting parts)

Mass (Weight):**HDC-TM900**

Approx. 395 g (Approx. 0.87 lbs.) [without battery (supplied)]

HDC-HS900

Approx. 455 g (Approx. 1.00 lbs.) [without battery (supplied)]

Mass (Weight) in operation:**HDC-TM900**

Approx. 460 g (Approx. 1.01 lbs.) [with battery (supplied)]

HDC-HS900

Approx. 520 g (Approx. 1.15 lbs.) [with battery (supplied)]

Operating temperature:

0 °C to 40 °C (32 °F to 104 °F)

Operating humidity:

10%RH to 80%RH

Battery operation time:

See page 23

■ 3D Conversion Lens (optional)**Lens:**

F3.2 (f = 2.5 mm)

35 mm equivalent; 58 mm

Minimum recording distance; Approx. 1.2 m (3.9 feet)

Minimum illumination:

Approx. 28 lx (1/30 when [AUTO SLOW SHTR (3D)] is set to [ON])