





recommended cable			
DC 12 V:			
CABLE(AWG)	#24	#22	#20
Max. length(m)	4	6	9
AC 24 V:			
CABLE(AWG)	#24	#22	#20
Max. length(m)	13	23	30

Specifications	
<b>Compression</b>	JPEG/MPEG4/H.264 G.711/G.726 (40, 32, 24, 16 kbps) SNC-DH180: JPEG/MPEG4/H.264: 30 fps (1280 × 720) JPEG: 30 fps (1280 × 1024) MPEG4: 25 fps (1280 × 1024) H.264: 20 fps (1280 × 1024) SNC-DH280: JPEG: 16 fps (1920 × 1080) / 12 fps (1920 × 1440) MPEG4: 20 fps (1920 × 1080) / 15 fps (1920 × 1440) H.264: 30 fps (1920 × 1080) / 20 fps (1920 × 1440)
<b>Camera</b>	21 pcs SNC-DH180: 30 m (50 IRE) SNC-DH280: 30 m (50 IRE) NTSC color system/PAL color system (switchable) SNC-DH180: 1/3 type CMOS (Exmor) Effective picture elements: Approx. 1,390,000 SNC-DH280: 1/2.8 type CMOS (Exmor) Effective picture elements: Approx. 3,270,000
<b>IR LED</b>	21 pcs SNC-DH180: 30 m (50 IRE) SNC-DH280: 30 m (50 IRE) NTSC color system/PAL color system (switchable) SNC-DH180: 1/3 type CMOS (Exmor) Effective picture elements: Approx. 1,390,000 SNC-DH280: 1/2.8 type CMOS (Exmor) Effective picture elements: Approx. 3,270,000
<b>Signal system</b>	Internal synchronization 600 TV lines (analog video) More than 50 dB (AGC 0 dB) SNC-DH180: F1.2/View-DR Off/VE Off/AGC High/XDNR Middle/ 50 IRE (IP) Color 0.20 lx Black & White 0 lx (IR On) SNC-DH280: F1.2/View-DR Off/VE Off/AGC High/XDNR Middle/ 50 IRE (IP) Color 0.40 lx Black & White 0 lx (IR On)
<b>Image device</b>	1/3 type CMOS (Exmor) Effective picture elements: Approx. 1,390,000 SNC-DH280: 1/2.8 type CMOS (Exmor) Effective picture elements: Approx. 3,270,000
<b>Horizontal resolution</b>	600 TV lines (analog video) More than 50 dB (AGC 0 dB) SNC-DH180: F1.2/View-DR Off/VE Off/AGC High/XDNR Middle/ 50 IRE (IP) Color 0.20 lx Black & White 0 lx (IR On) SNC-DH280: F1.2/View-DR Off/VE Off/AGC High/XDNR Middle/ 50 IRE (IP) Color 0.40 lx Black & White 0 lx (IR On)
<b>Video S/N</b>	More than 50 dB (AGC 0 dB) SNC-DH180: F1.2/View-DR Off/VE Off/AGC High/XDNR Middle/ 50 IRE (IP) Color 0.20 lx Black & White 0 lx (IR On) SNC-DH280: F1.2/View-DR Off/VE Off/AGC High/XDNR Middle/ 50 IRE (IP) Color 0.40 lx Black & White 0 lx (IR On)
<b>Minimum illumination</b>	Color 0.20 lx Black & White 0 lx (IR On) SNC-DH280: Color 0.40 lx Black & White 0 lx (IR On)
<b>Lens</b>	3.1 mm to 8.9 mm F1.2 ~ F2.1 SNC-DH180: Vertical: 67.4° to 25.0° (1280 × 1024) Horizontal: 85.4° to 31.2° SNC-DH280: Vertical: 65.2° to 24.2° (1920 × 1440) Horizontal: 88.5° to 32.3° 300 mm
<b>Interface</b>	LAN port: 10BASE-T/100BASE-TX, auto negotiation (RJ-45) Sensor input: × 1, make contact, break contact Alarm output: × 2, 24 V AC/DC, 1 A (mechanical relay outputs electrically isolated from the camera) VIDEO OUT: BNC, 1.0 Vp-p, 75 ohms, unbalanced, sync negative Microphone input*: Minijack (monaural) Plug-in-power supported (rated voltage: 2.5 V DC) Recommended load impedance: 2.2 kΩ Minijack (monaural) Line input*: The microphone input and the line input are switchable with operating menu. Line output: Minijack (monaural), Maximum output level: 1 Vrms
<b>Power supply</b>	12 V DC ± 10% 24 V AC ± 10%, 50/60 Hz IEEE802.3af compliant (PoE system) SNC-DH180: 28 W max. SNC-DH280: 29 W max.
<b>Power consumption</b>	Start temperature: -20°C to +50°C (-4°F to +122°F) Working temperature: -30°C to +50°C (-22°F to +122°F)
<b>Operating temperature (AC 24 V and DC 12 V)</b>	Start temperature: 0°C to 50°C (32°F to 122°F) Working temperature: -10°C to +50°C (14°F to 122°F)
<b>Heater operation</b>	Supported by 24 V AC and 12 V DC only. IEEE802.3af (PoE SYSTEM) (camera power only) -20°C to +60°C (-4°F to +140°F) 20% to 80% (Non-condensing) 20% to 95%
<b>Storage temperature</b>	166 mm × 119 mm (6 5/8 inches × 4 3/4 inches), not including the projecting parts Approx. 1.38 kg (3 lb 0.68 oz), not including the cables and bracket
<b>Dimensions (diameter/height)</b>	CD-ROM (User's Guides, and supplied programs) (1), Bracket (1), Template (1), Wire rope (1), Camera unit mounting screws (4), Screw M4 × 8 (1), Audio cable (1), I/O cable (1), LAN cable (1), BNC cable (1), Power input cable (1), Wrench (1), Installation Manual (this document) (1 set)
<b>Supplied accessories</b>	
<b>Optional accessory</b>	In-ceiling bracket YF-ICB45* * Using the fixture position [B] on the bracket.
<b>Design and specifications</b>	are subject to change without notice.

Recommendation of Periodic Inspections	
In case using this device over an extended period of time, please have it inspected periodically for safe use.	
It may appear flawless, but the components may have deteriorated over time, which may cause a malfunction or accident.	
For details, please consult the store of purchase or an authorized Sony dealer.	

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