SNC-DH240

Network HD Camera—V series

SONY
make.believe

High-Quality 1080p HD Security Camera with View-DR Technology

- Excellent 1080p HD picture quality, supporting H.264 at 30 fps
- 3 Megapixel (1920 × 1440) maximum resolution
- Three codecs (H.264, MPEG-4, JPEG) and a dual streaming capability
- The Exmor™ CMOS sensor incorporated to deliver high image quality and low noise

Full HD 1080 3M MEGAPIXEL

Key Features

- View-DR™ technology—Sony's innovative Wide Dynamic Range technology—to capture objects clearly and adaptively even under very severe backlight or highlight conditions.

View-DR

OFF

ON

(Actual Images)

- Visibility Enhancer to optimize the brightness and color reproduction of an image dynamically on a pixel-by-pixel basis while continuously adapting to the scene, within the given dynamic range.
- Easy Focus / Easy Zoom functions for easy installation.
- DEPA™ Advanced Intelligent Video and Audio Analytics to trigger an alarm, based on user-defined rules.

DEPA Advanced

- Optical Day/Night function to switch to Day or Night mode depending on the light level.
- XDNR™ (eXcellent Dynamic Noise Reduction) technology for clear images without motion blur under low illumination.

OFF

ON

(Actual Images)

- Powered by either AC 24 V, DC 12 V, or PoE (Power over Ethernet) for easy installation.
- Equipped with a BNC connector and a phono jack to instantly monitor the video while installing the camera.
- ONVIF™ (Open Network Video Interface Forum) software that ensures greater interoperability and more flexibility in building multiple-vendor systems.

ONVIF

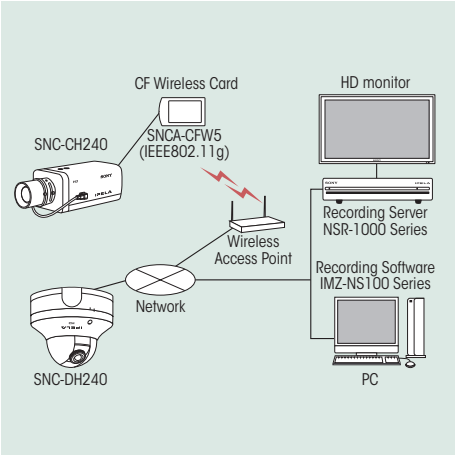
IPELA™

SPECIFICATIONS

SNC-DH240	
Camera	
Image device	1/2.8 type progressive scan Exmor CMOS sensor
Minimum illumination	Color: 0.40 lx, B/W: 0.25 lx (F1.2/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE [IP])
Number of effective pixels (H × V)	3.27 Megapixel (2096 × 1561)
Electronic shutter speed	1s to 1/10000s
Gain control	Auto (3 levels)
Exposure control	Auto, EV Compensation*1, Auto Slow Shutter*2
White balance mode	Auto (ATW, ATW-PRO), Preset, One-push WB, Manual
Lens type	Built-in Vari-focal lens
Zoom ratio	Optical 2.9X (×2 Digital Zoom)
Horizontal viewing angle	88.5 to 32.3 degrees
Focal length	f=3.1 to 8.9 mm
F-number	F1.2 (Wide), F2.1 (Tele)
Minimum object distance	300 mm
Powered focus	Yes (Easy Focus)
Powered zoom	Yes (Easy Zoom)
Camera Features	
Day/Night*3	Yes
Wide-D	View-DR technology (90dB)
Image enhancement	Visibility Enhancer
Noise reduction	XDNR technology
Image	
Codec image size (H × V)	1920 × 1440, 1600 × 1200, 1680 × 1056, 1920 × 1080, 1440 × 912, 1376 × 768, 1280 × 960, 1280 × 800, 1280 × 720, 1280 × 1024, 1024 × 768, 1024 × 576, 800 × 480, 768 × 576, 720 × 576, 704 × 576, 720 × 480, 640 × 480, 640 × 368, 384 × 288, 320 × 240, 320 × 192 (H.264, MPEG-4, JPEG)
Video compression format	H.264, MPEG-4, JPEG
Codec streaming capability	Dual streaming
Maximum frame rate	H264: 20 fps (1920 × 1440) / 30 fps (1920 × 1080) MPEG-4: 15 fps (1920 × 1440) / 20 fps (1920 × 1080) JPEG: 10 fps (1920 × 1440) / 15 fps (1920 × 1080)
Audio	
Audio compression	G.711/G.726
Scene Analytics	
Intelligent motion detection	Yes (with built-in Post Filter)
Intelligent object detection	No
Rule filter	Yes
Network	
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
ONVIF software	Yes
Wireless network	No
Number of clients	10
Authentication	IEEE802.1X
Analog Video Output	
Signal system	NTSC / PAL
Horizontal resolution	600 TV lines
S/N ratio	More than 50 dB
Interface	
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
Serial interface	No
Card slots	No
Analog video output	BNC × 1
Analog monitor output	Phono jack × 1
Sensor input	× 1
Alarm output	× 2
External microphone input	Mini-jack (Monaural), MIC IN/LINE IN: 2.5VDC plug-in power
Audio line output	Mini-jack (Monaural), Max output level: 1 Vrms
General	
Weight	1 lb 10 oz (750 g)
Dimensions	ø 5 5/8 × 4 3/4 inches (140 × 118 mm)
Power requirements	PoE, AC 24 V, DC 12 V
Power consumption	10.2 W max.
Starting temperature	32 to 122°F (0 to 50°C)
Working temperature	23 to 122°F (–10 to +50°C)
Storage temperature	–4 to +140°F (–20 to +60°C)
Safety regulation	UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
System Requirements	
Operating system	Windows XP®, Windows Vista®, Windows® 7
Processor	Intel Core2 Duo® 2 GHz or higher
Memory	1 GB or more
Web browser	Microsoft Internet Explorer® Ver6.0, 7.0, or 8.0
Supplied Accessories	
	CD-ROM (User's guides, SNC Toolbox), Installation manual, Template, Wire rope, Bracket, LAN cable, BNC cable, Power input cable, I/O cable, Audio Cable, Warranty booklet, M4 shoulder screw, M4 screws (2)

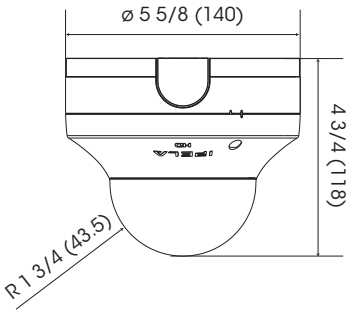
*1 VE off mode only. *2 View-DR off mode only. *3 Removable IR Cut Filter.
*The SNC-DH240 include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org/).

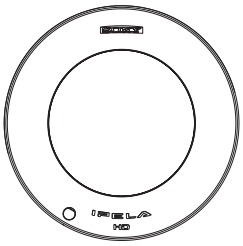
SYSTEM CONFIGURATION



DIMENSIONS

Unit: inches (mm)





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