

## 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 realize high image quality and low noise



### Key Features

- View-DR—Sony’s innovative Wide Dynamic Range technology—to capture objects clearly and adaptively even under very harsh 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 function for easy installation.
- DEPA Advanced Intelligent Video and Audio Analytics to trigger an alarm, based on user-defined rules.



- Equipped with a CF slot for on-board recording and wireless operation capability with the optional SNCA-CFW5 802.11g card.

- 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 to instantly monitor the video while installing the camera.
- ONVIF (Open Network Video Interface Forum) conformance that ensures greater interoperability and more flexibility in building multiple-vendor systems.



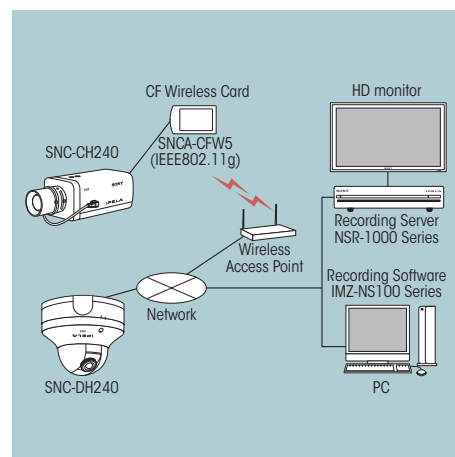
## SPECIFICATIONS

| SNC-CH240                          |   |
|------------------------------------|---|
| <b>Camera</b>                      |   |
| Image device                       | 1/2.8 type progressive scan "Exmor" CMOS sensor   |
| Minimum illumination               | Color: 0.55 lx, B/W: 0.3 lx<br>(F1.3/View-DR OFF/XDNR ON-Middle/VE OFF/AGC High/50 IRE (IP1))   |
| Number of effective pixels (H x V) | 3.27 Megapixel (2096 x 1561)  |
| Electronic shutter speed           | 1 s to 1/10000s   |
| Gain control                       | Auto (3 levels)   |
| Exposure control                   | Auto, EV Compensation*, Auto Slow Shutter**   |
| White balance mode                 | Auto (ATW, ATW-PRO), Preset, One-push WB, Manual  |
| Lens type                          | CS mount lens   |
| Zoom ratio                         | Optical 2.1X (x2 Digital Zoom)  |
| Horizontal viewing angle           | 101.2 to 47.0 degrees   |
| Focal length                       | f=2.8 to 6.0 mm   |
| F-number                           | F1.3 (Wide), F1.9 (Tele)  |
| Minimum objects distance           | 300 mm  |
| Powered focus                      | Yes (Easy Focus)  |
| <b>Camera Features</b>             |   |
| Day/Night**                        | Yes   |
| Wide-D                             | View-DR (84 dB:Theoretical)   |
| Image enhancement                  | Visibility Enhancer   |
| Noise reduction                    | XDNR  |
| <b>Image</b>                       |   |
| Codec image size (H x V)           | 1920 x 1440, 1600 x 1200, 1680 x 1056, 1920 x 1080, 1440 x 912, 1376 x 768, 1280 x 960, 1280 x 800, 1280 x 720, 1280 x 1024, 1024 x 768, 1024 x 576, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 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 x 1440) / 30 fps (1920 x 1080)<br>MPEG-4: 15 fps (1920 x 1440) / 25 fps (1920 x 1080)<br>JPEG: 10 fps (1920 x 1440) / 15 fps (1920 x 1080)   |
| <b>Audio</b>                       |   |
| Audio compression                  | G.711/G.726   |
| <b>Scene Analytics</b>             |   |
| Intelligent motion detection       | Yes (with built-in Post Filter)   |
| Intelligent object detection       | No  |
| Rule filter                        | Yes   |
| <b>Network</b>                     |   |
| Protocols                          | IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)   |
| ONVIF conformance                  | Yes   |
| Wireless network                   | Yes (with option**)   |
| Number of clients                  | 10  |
| Authentication                     | IEEE802.1X  |
| <b>Analog Video Output</b>         |   |
| Signal system                      | NTSC / PAL  |
| Horizontal resolution              | 600 TV lines  |
| S/N ratio                          | More than 50 dB   |
| <b>Interface</b>                   |   |
| Ethernet                           | 10BASE-T / 100BASE-TX (RJ-45)   |
| Serial interface                   | No  |
| Card slots                         | x 1   |
| Analog video output                | BNC x 1   |
| Sensor input                       | x 1   |
| Alarm output                       | x 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  |
| <b>General</b>                     |   |
| Mass                               | 650 g (1 lb 7 oz)   |
| Dimensions                         | 72 x 63 x 197.3 mm (2 7/8 x 2 1/2 x 7 7/8 inches)   |
| Power requirements                 | PoE, AC 24 V, DC 12 V   |
| Power consumption                  | 11.2 W max.   |
| Starting temperature               | 0 to 50°C (32 to 122°F)   |
| Working temperature                | -10 to +50°C (23 to 122°F)  |
| Storage temperature                | -20 to +60°C (-4 to +140°F)   |
| Safety regulation                  | UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A   |
| <b>System Requirements</b>         |   |
| 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   |
| <b>Supplied Accessories</b>        |   |
|                                    | CD-ROM (User's Guide, SNC Toolbox)<br>Installation manual<br>Wire rope<br>M4 screw<br>B&P Warranty Booklet  |

\*1 VE off mode only, \*2 View-DR off mode only, \*3 Removable IR Cut Filter, \*4 With optional SNCA-CFW5.

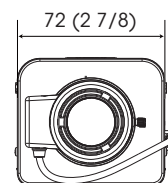
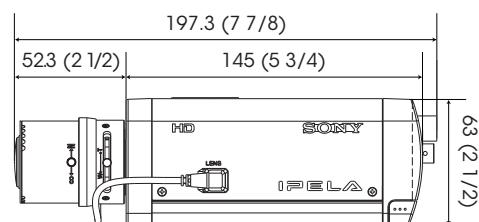
\*\*The SNC-CH240 include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>).

## SYSTEM CONFIGURATION



## DIMENSIONS

Unit: mm (inches)



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