**SNC-VB770**

**Fixed Type 4K Camera**

**Ultra High-Sensitivity 4K Network Camera with 35mm Full-Frame Exmor® CMOS Sensor**

**Product Highlights**

- 12 Megapixel 35mm Full Frame Exmor CMOS Sensor
- Ultra-high sensitivity: minimum illumination 0.004 lx @ 30 IRE, or 0.006 lx @ 50 IRE
- Sony’s unique image processing engine achieves extremely high sensitivity and low noise at the same time
- E-mount lenses to optimize 4K high resolution and performance (sold separately)
- 4K or Full HD 30 fps smooth color video in near pitch-black conditions
- 4K (3840 x 2160) H.264 with dynamic or static regions of interest coding for bandwidth and storage efficiencies
- Intelligent Cropping and tracking, using built-in motion detection for up to 2 FHD or 4 VGA native resolution crops
- SD card slot
- 12MP evidence shot for greater detail analysis
- View-DR® Technology for wide dynamic range of 100 dB
- PoE, AC 24V or DC 12 V operation

**NEW FEATURES with 4K**

Extraordinary sensitivity with 4K

The SNC-VB770 4K network camera achieves a minimum illumination of 0.004 lx by using its highly sensitive 35mm full-frame Exmor® sensor, optimized E-mount lenses (sold separately) to maximize the performance of the sensor, and its unique signal processing engine. This enables the camera to capture crisp, clear 4K/30 fps color video with much less noise in extreme low-light conditions.

**Bandwidth and storage efficiencies**

When resolution goes up, bandwidth consumption also increases. This makes deploying 4K cameras more expensive and more challenging than deploying HD cameras. Sony’s camera features address those concerns:

- Intelligent Coding to keep specific areas of interest in the scene clear and crisp, while lowering the image quality of the other parts using a high compression ratio, allowing the overall bitrate for the entire image to be reduced by up to 50% (4K/30fps, areas of interest 30%), therefore helping to minimize storage costs.
- Intelligent Cropping to simultaneously observe up to four specific areas of “regions” of interest in any captured images with a 4K-native resolution, while viewing the entire image in Full HD resolution. This allows the network bandwidth to be reduced by up to 50%, thus helping to minimize storage costs.

**Intelligent Coding**

Areas of Interest: 4K-native resolution  
Other Areas of Image: Low resolution with high compression ratio

**Intelligent Cropping**

Captured Image

Overview FHD

Simulated image

Close-up 4K-native resolution, VGA x4

- Multi Tracking to automatically track objects specified by the Intelligent Coding or Intelligent Cropping function – a compelling alternative to conventional monitoring that normally requires multiple PTZ cameras to track several objects simultaneously.
- Evidence Shot for high-quality recording with 12 megapixel resolution to help examine the scene and produce evidence – ideal for collection and analysis of high-quality evidence in situations like city surveillance, parking lots and garages.
### SPECIFICATIONS

#### Camera

- **Image Sensor**: 35mm full-frame Exmor™ CMOS sensor
- **Number of Effective Pixels**: 12.2 Megapixels
- **Sync System**: Internal synchronization
- **Minimum Illumination (50 Ix)**: 0.006 lx (ISO400/1/60 F1.4)
- **Minimum Illumination (30 Ix)**: 0.004 lx (ISO400/1/60 F1.4)
- **Dynamic Range**: Equivalent to 100 dB with Foveon™ technology
- **Shutter Speed**: 1/1 to 1/10,000 s
- **Exposure Control**: Exposure compensation, AGC, shutter speed, Iris
- **Shutter Speed**: 1/1 s to 1/10,000 s
- **Gain**: Auto/Manual (0 dB to +72 dB)
- **Dynamic Range**: Equivalent to 100 dB with View-DR Technology
- **Minimum Illumination (30 Ix)**: 0.004 lx (ISO400/1/60 F1.4)
- **Sync System**: Internal synchronization
- **Dimensions (W x H x D)**: 4 1/8 inches x 3 3/8 inches x 4 3/4 inches (104 mm x 84.6 mm x 118 mm)
- **Weight**: Approx. 720g (Approx. 1 lb 9.4 Oz)

#### Video

- **Resolution via HDMI**: 3840 x 2160, 720 x 480, 720 x 576
- **Video Format**: H.264, MJPEG
- **Bitrate Control Mode**: CBR/VBR (selectable)
- **Video Compression Format**: H.264 (High/Main Profile), JPEG

#### Audio

- **Audio Compression Format**: 0.711 (bit rate: 44 kbps, sampling frequency: 8 kHz)
- **Audio Compression Format**: 0.720 (bit rate: 40, 52, 24, 16 kbps, sampling frequency: 8 kHz)
- **Audio Compression Format**: AAC-LC (bit rate: 44 kbps, sampling frequency: 16 kHz)
- **Audio Compression Format**: AAC-LC (bit rate: 128 kbps, sampling frequency: 48 kHz)

#### System Requirements

- **Operating System**: Windows® 7, 8, 10 Pro (32/64-bit)
- **Processor**: Intel Core i7 3.4GHz or higher
- **Memory**: 8 GB or more
- **Web Browser**: Internet Explorer® 11.0

#### Network

- **Protocols**: IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP*, MLD*, HTTP, DHCP, DNS, NTP, RTP, TCP, FTP (user), HTTPS (user), SNMP (v1, v2, v3, TLS (v1.2))
- **IP Address**: 192.168.1.100 and above
- **Video Compression Format**: H.264/BIP (B-picture) is supported for 3840 x 2160 and 2880 x 1440 resolution and decoding 4K/H.264 is required.

#### UNI-E2DG8 4K SECURITY CAMERA ENCLOSURE

- **The UNI-E2DG8 is an IP66 rated, outdoor, vandalism-resistant, fixed camera housing with a heater and blower**
- **Compatible with Sony’s SNC-VB770 camera**
- **The blower runs continuously to provide airflow to keep the camera cool and the window virtually fog-free**
- **The heater automatically activates at 4.4°C (40°F) and deactivates at 8.8°C (49°F) with a thermal cut-off switch during low heating operation**
- **The enclosure also includes a pole-mount adaptor as a standard accessory**
- **Compatible for a maximum combined camera and lens weight of 317.9mm (12.5 inches)**

#### Dimensions

- **Width**: 514 mm
- **Height**: 427 mm
- **Depth**: 134 mm

#### Warranty

- **Warranty**: 1-year

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