Compact and Slim Surveillance Network Camera Providing Excellent Sensitivity and High Resolution with an Advanced Progressive Scan CCD Based on ExwavePRO™ Technology

Sony introduces a powerful new addition to the Sony network camera lineup, the SNC-CS20 Network Camera. This compact camera has been specifically designed for security applications. It incorporates an advanced progressive scan CCD with ExwavePRO technology, providing extremely clear and detailed images for surveillance monitoring applications.

Unlike conventional network cameras that incorporate progressive scan CCDs with primary color filters, the SNC-CS20 camera uses a complementary color filter to provide amazingly bright and high-resolution images even in dimly lit environments – a typical challenge of surveillance monitoring.

In addition, this new camera incorporates sophisticated features such as Intelligent Motion Detection, Constant Bitrate Algorithm, and flexible Gamma Curve Settings. These features provide you with not only high-quality images, but also intelligent and efficient operational flexibility.

What’s more, because the SNC-CS20 is similar in size to CCTV cameras, system integrators will appreciate the fact that it can be installed in an 8-inch camera housing.

Providing high sensitivity levels in a compact and slim body inherited from CCTV cameras, the SNC-CS20 is a perfect choice for your surveillance monitoring applications.

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**Network Camera**

**SNC-CS20**

**Features**

- 1/4-type Progressive Scan CCD with ExwavePRO Technology
  - The SNC-CS20 camera inherits the technical advantages of Sony ExwaveHAD™ technology, while incorporating advanced progressive scanning and complementary color filters to provide extremely high sensitivity levels and clear and crisp images in both day and night environments.
- Dual Stream MPEG-4 and JPEG Output
- High Frame Rate of 30 fps at 640 x 480/768 x 576
- Ten Preset JPEG Picture-quality Settings With Constant Bitrate Algorithm
- Variable Gamma Settings for High-contrast Images
  - Six preset gamma curves.
- Compact and Slim
  - Fits 8-inch camera housings.
- DC Servo IR Auto Iris Lens Capability
  - Ideal for both indoor and outdoor use.
- Dual-encoding Capability (MPEG-4/JPEG)
- Day/Night Function
- Bi-directional Audio
- DEPA™-enabled — Intelligent Video Analytics
- Intelligent Motion Detection (IMD)
- Sensor In/Alarm Out Ports
- IEEE802.1X Compliant
- Analog Video Output
  - Ideal for use when adjusting the camera viewing angle during installation.
- Variety of Power Options: AC 24 V, DC 12 V, or PoE (Power over Ethernet)
System Configurations

Stand-alone Configuration

Client-server Configuration

Server Room

Monitoring Room

Network Camera

PC

Network Recorder

NSR Series

Network Cameras

Network Attached Storage

Network

Intelligent Monitoring Software

RSM Controller

Installed PC

NSR Series

Specifcations

Camera

Image device 1/4-type Progressive Scan CCD with ExwavePRO Technology

Number of total pixels Approx. 350,000

Number of effective pixels (H x V) Approx. 330,000 (695 x 494)

Electronic shutter 1 to 1/10,000 s

Auto gain control (AGC) On/Off (0 dB to +36 dB)

Exposure control Auto, Backlight compensation, Gamma settings

White balance modes ATW, ATW Pro

Lens type Vari-focal zoom lens

Zoom ratio 2.7x optical zoom (2x digital zoom)

Horizontal viewing angle 66.6° to 27.0°

Focal length f=3.0 to 8.0 mm

F-number F1.0 (wide), F1.45 (tele)

Minimum object distance 200 mm

Image

Image size (H x V)

JPEG 768 x 576, 640 x 480, 384 x 288, 320 x 240

MPEG-4: 640 x 480, 384 x 288, 320 x 240

Maximum frame rate

JPEG 30 fps (768 x 576)

MPEG-4 30 fps (640 x 480)

Audio

Audio compression 0.711/0.726 (40, 32, 24, 16 kHz)

Network

Protocols TCP/IP, UDP, ICMP, HTTP, FTP, SMTP, DHCP, DNS, NTP, RTSP, RTCP, SNMP

Number of clients 10

Authentication EIEEE802.1X

Interface

Ethernet 10Base-T/100Base-TX (UTP)

Analog video output BNC x1, 1.0 Vp-p, 75 Ω

I/O port Sensor in x 1, Alarm out x 2

External microphone input/ Line input Mini jack x1 (Mic in: monaural, 2.2 K 2.5 V plug in power, Line in: monaural)

Analog video output

Signal system NTSC/PAL

Horizontal resolution 400 TV lines

S/N ratio more than 50 dB (AGC OFF, Weight ON)

Min. illumination Color: 0.2 lx (50IRE, F1.0, AGC ON 36 dB)

B/W: 0.02 lx (50IRE, F1.0, AGC ON 36 dB)

General

Weight Approx. 1 lb 9 oz (700 g)

Dimensions (W x H x D) 3 1/4 x 2 1/2 x 7 inches including Lens (82.5 x 63 x 176.2 mm)

Power requirements PoE (IEEE-802.3 af)/AC 24 V/DC 12 V

Power consumption max. 8.0 W

Operating temperature 14 to 122°F (-10 to 50 °C)

Storage temperature -4 to 140 °F (-20 to 60 °C)

System requirements

Operating system Microsoft, Windows Vista®, Microsoft Windows® XP

Processor Intel Pentium IV 3GHz or higher, Intel Core2 Duo 2GHz or higher

Memory 1 GB or more

Web browser Microsoft Internet Explorer® Ver. 6.0 or higher

Supplied accessories

CD-ROM (User’s guide, IP setup program, Audio Upload Tool, Privacy Masking Tool, Video Player, Custom Homepage Installer, Easy Setup Guide), Installation manual, Wire rope

Dimensions

Front Panel

Rear Panel

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