SNCDM110

Network Megapixel Minidome Camera with Dual Stream JPEG/MPEG-4 and PoE

$1,048.00

U.S.List Price

UPC: 027242738829

Overview

The SNC-DM110 is a minidome network camera that incorporates a 1/3-type progressive scan CCD with ExwavePRO technology. The camera has a resolution of 1.3 megapixels.

Highlights

* Progressive scan CCD with ExwavePRO technology
* Megapixel - High resolution
* Light funnel function for high sensitivity
* JPEG picture quality settings with constant bitrate algorithm
* Variable gamma settings
* Wall- or ceiling-mountable
* Easy viewing angle adjustment
* Powerful vari-focal zoom Lens/Wide viewing angle
* Quick focus adjustment
* Ball-Joint lens mount technology
* Selectable JPEG and MPEG-4 compression formats
* Dual-encoding capability
* Bi-directional audio
* Voice alert
* The DEPA platform - Intelligent video analytics
* Intelligent motion detection
* Sensor IN/Alarm OUT ports
* IEEE802.1X compliant
* SolidPTZ/Cropping functions
* Date/Time superimposition
* Privacy zone masking
* Analog composite video output
* 24 v AC, 12 v DC, or PoE operation
* Simultaneous access for up to 10 users
* Multicasting capability

Features

Features	Benefits
Progressive Scan CCD With ExwavePRO Technology	The SNC-DM110 incorporates advanced progressive scan CCDs with ExwavePRO technology. The camera inherits the technical advantages of Sony ExwaveHAD technology, while incorporating progressive scanning and complementary color filters to provide extremely high sensitivity levels and clear, crisp images in both daytime and nighttime environments. Complementary color filters are well suited in cameras used for security applications because the luminance signal-to-noise ratio is higher than when using primary color filters. The camera, with ExwavePRO technology, provide bright images in low light conditions even when the camera has a resolution greater than 1,000,000 pixels. The minimum illumination is 0.8 lx in color at F1.3.
Megapixel - High Resolution	The SNC-DM110 has a resolution of 1.3 megapixels, which can reproduce clear and detailed images even at wide viewing angles. The camera is ideal for use at building entrances and parking lots, where detailed images, such as those of people's faces and car license plates, are required.

Light Funnel Function for High Sensitivity	Unlike systems that use slow shutter speeds to provide bright images, the 'Light Funnel' mechanism is such that image data for every two pixels are combined vertically and horizontally providing extremely bright images even when monitoring moving objects at dusk. This function can be activated automatically in response to surrounding light conditions or on a pre-specified time schedule.
JPEG Picture Quality Settings With Constant Bitrate Algorithm	Users can preset the JPEG picture quality for the camera from a choice of ten levels. In addition, because the camera incorporates a constant bitrate algorithm, it can limit the data bitrate while still maintaining high-quality images. This is useful for calculating the required storage capacity and bandwidth during installation.
Variable Gamma Settings	Users can choose from six preset gamma curves. By selecting a gamma curve that is appropriate for a given scene, captured images can be reproduced clearly and sharply.
Wall- or Ceiling-mountable	For installation flexibility, the camera can be mounted easily on either a wall or ceiling using the supplied bracket.
Easy Viewing Angle Adjustment	An analog composite output (RCA jack) is provided on the front of the camera so a monitor can be connected. This allows installers to monitor images during installation for quick and accurate adjustment of the viewing angle.
Powerful Vari-focal Zoom Lens/Wide Viewing Angle	These cameras come equipped with a powerful vari-focal zoom lens. The SNC-DM110 incorporates a 3.6x zoom lens. In addition, the camera has an extremely wide viewing angle of over 100 degrees
Quick Focus Adjustment	The iris on the camera can be fully opened at the touch of a button for quick focus settings. In addition, a focus bar is displayed on the monitor, enabling accurate and easy adjustments.
Ball-Joint Lens Mount Technology	With the Sony patented Ball-Joint Lens Mount mechanism incorporated into the vari-focal lens of the camera, the lens can be rotated freely in any direction. Unlike conventional camera, it takes only one action to adjust the pan and tilt angles, allowing for quick and easy adjustment of the camera's viewing angle.
Selectable JPEG and MPEG-4 Compression Formats	The camera supports two compression formats: JPEG and MPEG-4. The industry-standard JPEG compression format is the best choice for high-quality still images. And the MPEG-4 format provides clear moving images efficiently over networks when bandwidth is limited.
Dual-encoding Capability	With a dual-encoding capability, the camera can generate both JPEG and MPEG-4 images simultaneously at 30 fps when the image size is set to VGA*. This capability is useful for transferring MPEG-4 images over a WAN or an Internet VPN where network bandwidth is limited, while also storing high-resolution JPEG images on a LAN-based server.
Bi-directional Audio	Users can connect an external microphone or an audio amp to the camera using the mic/line input (switchable). In addition, the camera is also equipped with an active speaker output, enabling users to sound an alert or make an announcement from the camera unit via a remote location. This significantly expands the possibilities of monitoring applications.
Voice Alert	The Voice Alert function allows users to upload up to three pre-recorded audio files to the camera. These can then be played out via a locally connected speaker upon an alarm trigger
The DEPA Platform - Intelligent Video Analytics	The SNC-DM110 offers intelligent video analytics, based on the Sony DEPA platform. DEPA is a combined function of the intelligence built in to the camera and rules/filters that determine which images should be recorded or when an alarm should be triggered. Using the network camera Intelligent Motion Detection (IMD) function, 'tagged' objects and their associated metadata, including object position, are sent either to the NSR Series recorder or the IMZ-RS400 Series software. These products then use the metadata, together with filters, to analyze object movement and to perform a predefined action, such as image recording or alarm triggering. This method of distributed processing minimizes server workload, network bandwidth, and storage requirements.
Intelligent Motion Detection	The built-in IMD function can trigger a variety of actions, such as the storage and transfer of images or the activation of an external device through its output relays. False alarms caused by noise and repeated motion patterns are minimized thanks to an advanced Sony algorithm. Plus, when used in conjunction with DEPA-enabled recorders or software, a multitude of filter functions are available. These allow you to initiate alarms based on more specific movements, such as passing a virtual borderline
Sensor IN/Alarm OUT Ports	Equipped with a sensor input, the camera can receives triggers from an external sensor. Also, two alarm relay outputs can be used to trigger external devices to perform a variety of actions.
IEEE802.1X Compliant	The camera supports IEEE802.1X port-based network access control. This means it can be integrated to a network environment that uses the IEEE802.1X client-authorization protocol for security purposes.
SolidPTZ/Cropping Functions	To minimize data size when network bandwidth is limited, SolidPTZ and Cropping are useful features. The SolidPTZ function allows users to select a specified area within the camera's field of view at a lower resolution such as VGA. By doing so, users can electronically pan, tilt, and zoom within the image. In addition, the Solid PTZ function can be used in conjunction with motion detection, allowing users to monitor only areas where there is movement and to automatically track moving objects within the camera's field of view. The cropping function allows users to freely crop portions of the full-resolution megapixel image to accentuate a monitoring area or to remove areas that do not need to be monitored.
Date/Time Superimposition	The date and time of images recorded by the camera can be superimposed on the video while it is being monitored and recorded. This makes it easy to identify the exact date and time of an event during

	playback. Also, because the information becomes part of the video image, it is a useful feature when providing video evidence to authorities. In addition, up to 20 characters on a single line can be used to display further information such as the monitoring location and the camera name.
Privacy Zone Masking	The camera can mask up to seven unwanted or prohibited areas within an image for privacy protection
Analog Composite Video Output	An analog composite video signal can be output via the BNC connector. This feature is ideal for storing images to a local recorder
24 V AC, 12 V DC, or PoE Operation	The camera offers a choice of three types of power: 24 V AC, 12 V DC, or PoE (Power-over-Ethernet, IEEE 802.3af). They automatically adapt to whichever power source is used, making installation fast and effective.
Simultaneous Access for up to 10 Users	
Multicasting Capability	

Specifications

Camera Specifications	Detail
IP/Analog	IP
Camera Type	Minidome Camera
Type	Minidome Camera
Image Device	1/3-type Progressive Scan CCD with ExwavePRO Technology
Effective Pixels	1296 x 966 pixels
Horizontal Resolution	600 TVL
Minimum Illumination	Color: 0.8 lx (50IRE, F1.3,AGC 30dB)
Lens Type	Vari-focal lens
Focal Length	f=2.8 to 9.5 mm
F-Number	F1.3 (wide), F2.9 (tele)
Compression Format	JPEG/MPEG4 Dual
Day Night	No
Wide-D	No
Zoom Ratio	3.4x optical zoom (2x digital zoom)
Minimum Object Distance	300 mm
White Balance Mode	ATW, ATW Pro
Horizontal Viewing Angle	100.8 to 27°
Electronic Shutter	1 to 1/10,000 s
Exposure Control	Auto, Backlight compensation, Gamma settings
Gain	On/Off (0 dB to +36 dB)
Image Specifications	**Detail**
Image Size	JPEG: 1280 x 960, 960 x 720, 768 x 576, 640 x 480, 384 x 288, 320 x 240 MPEG: 640 x 480, 384 x 288, 320 x 240
Compression Format	G.711/G.726 (40,32,24,16 KB/s)
Frame Rate	30 fps (640 x 480), 15 fps (1280 x 960, 768 x 576)
Analog Video Output Specifications	**Detail**
S/N Ratio	more than 50 dB
Interface Specifications	**Detail**
Interface	10Base-T/100Base-TX (RJ-45)
I/O Port	Sensor in x 1, Alarm out x 2
External Microphone Input	Mini-jack x1 (Mic in: monaural, 2.2 k, DC 2.5 V plug-in power, Line in: monaural)
Analog Video Output	2 composite outputs - cable with BNC + RCA (phono)
Audio Line Output	Mini-jack (monaural), max output level: 1 Vrms
Audio Specifications	**Detail**

Audio Compression	G.711/G.726 (40, 32, 24, 16 Kb/s)

General Specifications	Detail
Weight	approximately 1 lb 11 oz (780g)
Dimensions (W x H x D)	approx. 5 5/8 x 4 3/4 inches (140 x 118 mm)
Finish	White
Power Requirements	PoE (IEEE-802.3af)/AC 24 V/DC 12 V
Power Consumption	8 W Max
Operating Temperature	32 to 122° F (0 to 50° C)
Storage Temperature	-20 to 60 °C (-4 to 140 °F)

Network Specifications	Detail
Protocols	TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP, RTP/RTCP, UDP
Number of Clients	10
Authentication	IEEE802.1X

System Requirements Specifications	Detail
Operating System	Microsoft Windows VISTA or Microsoft Windows XP
Processor	Intel Pentium IV, 3GHz or higher, Intel Core2 Duo, 2GHz or higher
Memory	RAM: 1 GB or more
Web Browser	Microsoft Internet Explorer Ver. 7.0/6.0

Accessories

Optional Accessories

Model:	Description:	U.S.List Price
UNIUMB1	Indoor Wall Mount Bracket	$98.00
UNIILD3C3	Indoor Recessed Plenum Housing For SNC-DS10, SNC-DM110 and SNC-DF50N	$229.00

Resources

User Manual

Description:	Release Date	Type/Size
Sony Network Camera Easy Set Up Guide		pdf / 2,760K
SNC-DM110/DS10 Installation Manual	11/05/2009	pdf / 948K
SNC-CM120/CS20/DM110/DM160/DS10/DS60 Users Guide	11/06/2009	pdf / 3,242K

Brochure

Description:	Release Date	Type/Size
Housing Brochure 2009		pdf / 704K
SNC-DM110/DM160/DS10/DS60 Brochure		pdf / 466K
Sony IP Surveillance Quick Reference 2010 Autumn		pdf / 1,083K