Key Features

- Easy Focus/Easy Zoom functions allow camera to automatically focus and zoom at the touch of a button.
- Optical Day/Night function to switch to Day or Night mode depending on the light level.
- Streamed Squared function allows simultaneous streaming of two 4:3 aspect ratio videos in user selectable SD resolutions. User can select the entire image or a portion of the image from the original field of view and resize to SD resolution or lower for each stream. With this feature the SNC-EM520 can replace two SD cameras installed in the same line of view.
- DEPA™ Intelligent Video Analytics system enables cameras to send not only video images, but related metadata, including object data (size and position) to the DEPA-enabled recorder. Since part of the image processing is done on the camera side, the load to the recorder can be reduced enabling camera expansion.
- Analog monitor output (phono jack) allows installer to see or adjust field of view with hand-held monitor.
- Powered by PoE (Power over Ethernet) for simple installation.
- ONVIF™ (Open Network Video Interface Forum) software that ensures greater interoperability.
SPECIFICATIONS

**Camera**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image sensor</td>
<td>1/3-type Exmor® CMOS sensor</td>
</tr>
<tr>
<td>Number of effective pixels</td>
<td>Approx. 1.4 Megapixel (1329 x 1049)</td>
</tr>
<tr>
<td>Minimum illumination</td>
<td>Color: 0.50 lx, B/W: 0.30 lx (F1.2, shutter 1/30 sec., AGC 42dB, 50IRE by IP)</td>
</tr>
<tr>
<td>Gain control</td>
<td>Auto</td>
</tr>
<tr>
<td>Electronic shutter speed</td>
<td>1/1 to 1/10,000 s</td>
</tr>
<tr>
<td>Exposure control</td>
<td>Auto EV Compensation, Auto Slow Shutter</td>
</tr>
<tr>
<td>White balance mode</td>
<td>Auto (AWB, AWB-PRO), Preset, One-push WB, Manual</td>
</tr>
<tr>
<td>Lens type</td>
<td>Built-in Var-focal lens</td>
</tr>
<tr>
<td>Powered zoom</td>
<td>Yes (Easy Zoom)</td>
</tr>
<tr>
<td>Zoom ratio</td>
<td>Optical 2.9x</td>
</tr>
<tr>
<td>Powered focus</td>
<td>Yes (Easy Focus)</td>
</tr>
<tr>
<td>Horizontal viewing angle</td>
<td>85.4 to 31.2 degrees</td>
</tr>
<tr>
<td>Focal length</td>
<td>1 to 8.9 mm</td>
</tr>
<tr>
<td>F-number</td>
<td>F1.2 (Wide), F2.1 (Tele)</td>
</tr>
<tr>
<td>Minimum object distance</td>
<td>300 mm</td>
</tr>
</tbody>
</table>

**Camera Features**

- True Day/Night: Yes
- Noise reduction: Yes

**Image**

- Codec image size (H x V): 800 x 600 (SVGA), 720 x 576 (PAL D1), 720 x 480 (NTSC D1), 704 x 576 (4CIF), 640 x 480 (VGA), 352 x 288 (CIF), 320 x 240 (QVGA)
- Video compression format: H.264, MPEG-4, JPEG
- Codec streaming capability: Dual streaming, any combination
- Maximum frame rate: 30 fps (H.264, MPEG-4, JPEG) @ SVA resolution (800 x 600)

**Scene Analytics**

- Intelligent motion detection: Yes

**Network**

- Protocols: IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
- ONVIF software: Yes
- Number of clients: 5
- Authentication: IEEE802.1X

**Interface**

- Analog monitor output: Phono jack x 1 (1.0 Vp-p, 75 ohms, unbalanced, sync negative) for camera setup
- Network port: 10BASE-T / 100BASE-TX (RJ-45)

**General**

- Power requirements: PoE (IEEE802.3af compliant)
- Power consumption: 6.0 W max.
- Operating temperature: 14 to 122°F (-10 to +50 °C)
- Starting temperature: 32 to 122°F (0 to +50 °C)
- Storage temperature: -4 to +140°F (-20 to +60 °C)
- Operating humidity: 20 to 80%
- Storage humidity: 20 to 95%
- Dimensions (W x H x D): ø5 5/8 inches × 4 3/4 inches (140 mm × 118 mm)
- Weight: Approx. 1 lb 9 oz (715g) not including the cables and bracket
- Safety regulations: UL2044, FCC Class A, Digital Device, IC Class A, Digital Device, IC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, ANAIS CISPR22

**System Requirements**

- Operating system: Microsoft Windows XP™, Windows Vista™ (32 bit), Windows 7 (32 bit)
- Processor: Intel Core2 Duo 2 GHz or higher
- Memory: 1 GB or more
- Web browser: Microsoft Internet Explorer® Ver. 6.0, Ver. 7.0, Ver. 8.0, Firefox® Ver. 3.5 (Plug-in free viewer only), Safari® Ver. 4.0 (Plug-in free viewer only), Google® Chrome Ver. 4.0 (Plug-in free viewer only)
- Supplied accessories: CD-ROM (User’s Guides, and supplied programs) (1), Bracket (1), Template (1), Wire rope (1), Camera unit mounting screws (2), Shoulder screw M4 (1), LAN cable (1), Installation Manual (1)