

SNC-B2331

H.264 Network Camera



Summary

The SNC-B2331 is an IP network enabled color camera equipped with a 1/3" Super HAD progressive scan CCD. H.264 compression significantly lowers the required network bandwidth and storage costs. Simultaneous dual streaming supports H.264/MPEG-4 and MJPEG compression. The SNC-B2331 has an electronic day/night feature that enables B/W mode in low light conditions for 24 hour surveillance. The XDR feature allows the surveillance of darker and strong backlit areas. Power over Ethernet (PoE) reduces the installation time and costs. The camera is compatible with the autoIP™ open VMS platform.

Features

- 1/3" 410K/470K Super-HAD PS CCD
- H.264, MPEG-4 & MJPEG Simultaneous Dual Encoding
- Day/Night Function (Electronic)
- Extended Dynamic Range (XDR)
- Motion Adaptive Digital Noise Reduction
- Back Light Compensation (Area Setting)
- DIS (Digital Image Stabilization)
- Embedded Motion Detection
- Privacy Mask Function (Polygonal Mosaic)
- Horizontal & Vertical Image Mirroring
- Positive/Negative Imaging
- IPv4/IPv6 support
- Analog Output (600TVL)
- AC24V, DC12V
- Power of Ethernet (PoE) Support

eXtended Dynamic Range (XDR)

Detail is often lost in darker or strong backlit areas. XDR eliminates challenges in heavily shadowed walkways and outdoor parking areas.



Motion Adaptive Digital Noise Reduction (DNR)

SAMSUNG Electronics' exclusive Digital Noise Reduction (DNR) greatly reduces noise found in low light images without introducing the motion blur of common cameras.



SNC-B2331



SAMSUNG SECURITY | Toll Free: 888-595-2288 | Fax: 972-245-7333
This product specifications and manual are also available in pdf format at www.samsung-security.com
The information is subject to change without notice - v5.7.10

SNC-B2331

H.264 Network Camera



Specifications

Camera Unit

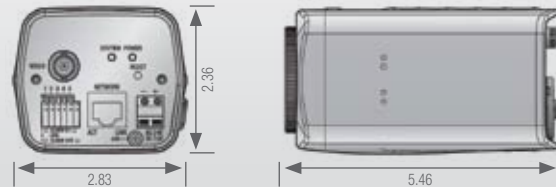
| | | | |
|--------------------------------|------------------------------|--|---|
| Camera Type | Color/BW | Color | |
| Image | Device | Super-HAD PS CCD | |
| | Size | 1/3 inch | |
| | Scan | Progressive Scan | |
| Scanning | Pixels | Total | NTSC: 811x508 |
| | | Effective | NTSC: 768x494 |
| | Horizontal Frequency | Internal Mode | NTSC: 15,734Hz |
| | | Line-lock Mode | NTSC: 15,750Hz |
| Vertical Frequency | Internal Mode | NTSC: 59.94Hz | |
| | Line-lock Mode | NTSC: 60Hz | |
| Min. Scene Illumination @ F1.2 | Color | Sens Off | 0.12 Lux(15 IRE), 0.2 Lux(30 IRE), 0.4 Lux(50 IRE) |
| | | Sens Up x512 | 0.00023 Lux(15 IRE), 0.0005 Lux(30 IRE), 0.0008 Lux(50 IRE) |
| | B/W | Sens Off | 0.12 Lux(15 IRE), 0.2 Lux(30 IRE), 0.4Lux(50 IRE) |
| | | Sens Up x512 | 0.00023 Lux(15 IRE), 0.0005 Lux(30 IRE), 0.0008 Lux(50 IRE) |
| Functions (OSD Menu) | Number of Privacy Zone | | 12 (Polygonal Method) |
| | Day/Night | | Color / BW / AUTO (Soft Method) |
| | eExtended Dynamic Range(XDR) | | On/Off (Level Setting) |
| | D-Zoom | | x1 ~ x16 (x0.1 STEP) |
| | PIP | | On/Off |
| | High Speed Shutter | | NTSC: 1/60 ~ 1/10K sec |
| | Flickerless | | On/Off |
| | Sens Up | | x2 ~ x512 |
| | BLC | | On/Off (Area Setting) |
| | AGC | | On/Off (Max.Level Setting) |
| | White Balance | | ATW1 / ATW2 / AWC / 3200K / 5600K |
| | Digital Noise Reduction | | On/Off (Adaptive 3D+2D) |
| | Digital Image Stabilization | | On/Off |
| | Camera ID | | On/Off (Max. 54ea/2Line) |
| | Etc. Function | | Detail, Reverse(H/V), Posi/Nega |
| | Resolution | Horizontal | 600TV Lines |
| Vertical | | 350TV Lines | |
| Video Output | VBS 1.0Vp-p | VBS 1.0Vp-p | |
| S/N Ratio | S/N Ratio | >52 dB | |
| Lens | Lens Drive Type | MANUAL/AI(VIDEO/DC) | |
| | Mount Type | CS/C | |
| Environmental Conditions | Operating Temperature | 14°F ~ +122°F (-10°C ~ +50°C) | |
| | Humidity | 0% ~ 90% | |
| Power | Power Requirement | AC24V, DC12V, PoE | |
| | Power Consumption | 7 W | |
| | LED Indicator | Yes | |
| Physical Specification | Dimensions (WxHxD) | Net 2.83 x 2.36 x 5.46 in (72 x 60 x 138.6 mm) | |
| | Weight | Net 0.66lbs (300g) | |
| | Color | Body Silver | |

Network Unit

| | | | |
|------------------|-------------------------------|--|----------------------------|
| Network Board | OS | Embedded Linux | |
| | Hardware | Flash memory | 32M byte |
| | | RAM | 256M byte |
| | | Ethernet | RJ-45 (10/100BASE-T) |
| | | Video Out | VBS 1.0Vp-p |
| | | Audio | N/A |
| | | SD Memory Slot | N/A |
| PoE | Yes (IEEE802.3af) | | |
| Alarm | Input | 2 ea | |
| | Output | 2 ea | |
| Video | Compression | H.264 / MPEG4 / MJPEG Multiple Codec (H.264 / MPEG4 selectable), Simultaneous Dual Streaming | |
| | Resolution | 4CIF | NTSC: 704x480 PAL: 704x576 |
| | | VGA | 640x480 |
| | | CIF | NTSC: 352x240 PAL: 352x288 |
| | Frame Rate | NTSC: 30, 15, 8, 3, 1 fps / PAL: 25, 13, 6, 3, 1 fps | |
| Quality | 1 ~ 10 level, (CBR/VBR) | | |
| Audio | Compression | N/A | |
| | Bi-Directional Communication | N/A | |
| OSD | Camera Control and Adjustment | OSD menu on Video (Menu enter/exit, move by Web UI) | |
| Motion Detection | Sensitivity and Area Setting | High, Medium, Low | |

| | | | |
|------------------------------|---------------------|--------------------------------|---|
| Protocol | IP | | IPv4 / IPv6 |
| | Network Protocol | IPv4 | TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/A2c/v3(MIB-2), ARP, DNS, DDNS |
| IPv6 | | TCP/IP, HTTP, HTTPS, SSL, DHCP | |
| Connection | Streaming | | Unicast, Multicast |
| | Security | | HTTPS(SSL) Login Authentication, Digest Login Authentication |
| | DDNS | | Supporting Samsung DDNS and Public DDNS services |
| Event Management | Maximum User Access | | Max 10 Users at Unicast Mode, Max 20 Users at Multicast Mode |
| | User Access Level | Administrator | Live Monitoring, Alarm I/O control, OSD menu control, SETUP |
| | | Operator | Live Monitoring, Alarm I/O control |
| User | Live Monitoring | | |
| Web Browser Viewer (Default) | Alarm Input | | JPEG image transfer; FTP, Notification : notify to viewer or by E-mail (one image attachment), Alarm Out |
| | Motion Detection | | JPEG image transfer; FTP, E-mail |
| | Schedule | | Windows XP, VISTA |
| Video Player | Supported OS | | Internet Explorer 6.0 or Higher |
| | Supported Browser | | E/F/G/S/I/C/K |
| | S/W upgrade | | Using Web viewer UI |
| Video Management Software | RTP/RTSP streaming | | Quicktime, VLC player |
| Application | IP Installation | | autolP™ |
| SDK | HTTP API | CGI Command | IP Installer Application for All Samsung IP Cameras |
| | RTP/RTSP API | | Provides functionality to control cameras and, set/retrieve internal parameter values. Get JPEG image or MJPEG stream, Alarm In/Out control |
| | ActiveX | SDK | RTP Header, RTSP Command Document |
| | | | ActiveX API for viewing data streams, from IP camera. |

Dimensions (unit : in) Front/Rear Panel



Certifications



SNC-B2331



SAMSUNG SECURITY | Toll Free: 888-595-2288 | Fax: 972-245-7333

This product specifications and manual are also available in pdf format at www.samsung-security.com
The information is subject to change without notice - v5.7.10