

■DESCRIPTION

The N-CC2360 Network Color Camera can be connected directly to a LAN (10 BASE-T/100 BASE-TX). It features simultaneous transmission of both MPEG-4 and JPEG images, permitting smoothly-moving images and high-quality still images to be recorded and monitored. The N-CC2360 also transmits bidirectional high-quality audio signals as uncompressed PCM or with sub-band ADPCM compression. The N-CC2360 is designed for full compatibility with Power over Ethernet (PoE) operation, eliminating the necessity of power cable wiring (when a PoE-compatible hub is used). Since it is equipped with a Day & Night function (*1) that increases sensitivity by automatically switching color images to monochrome under poor lighting conditions, and a 64x Electronic Sensitivity Boost function as well as a Wide Dynamic function, the camera enables monitoring subjects even in dark or backlight places. The supplied software decoder permits a remote surveillance system to be easily configured on a personal computer.

(*1) When using the Day & Night function, use an optional near-infrared compatible lens.

■SPECIFICATIONS

(*2) 0 dB = 1 V

Power Source	24 V AC, 50/60 Hz or 24 V DC or PoE (IEEE802.3af)
Power Consumption	13 W (at 24 V AC), (8 W: PoE, 350 mA: 24 V DC)
Power Terminal	Screwless connector (Solid cable: $\phi 0.4 - \phi 1.2$ mm (AWG 26 - 16), Stranded cable: 0.3 - 1.25 mm ² (AWG 22 - 16))
Monitor Output	VBS 1.0 V(p-p), 75 Ω , RCA pin jack, NTSC
Microphone	Omnidirectional, electret condenser microphone
Audio Output	1 channel, -10 dB(*2), low impedance, unbalanced, RCA pin jack
Contact Input	2 channels (Color/B&W Switching Input included), no-voltage contact input, open voltage: 9 V DC, short-circuit current: Under 10 mA, loop resistance: Under 200 Ω , screwless connector
Contact Output	2 channels, open collector output, withstand voltage: 30 V DC, control current: 50 mA, screwless connector
Camera	
Image Device	1/3 type IT-CCD
Number of Effective Pixels	768 (H) x 494 (V) (380,000 pixels)
Scanning System	2:1 interlace
Scanning Frequency	Horizontal: 15.734 kHz, Vertical: 59.94 Hz
Synchronizing System	Internal
Minimum Required Illumination	0.5 lx (50 IRE), 0.1 lx (20 IRE) (F 1.0) (sensitivity up: OFF) (color mode) 0.01 lx (F 1.0) (sensitivity up: ON) (B&W mode, incandescent lamp)
Automatic Electric Shutter Range	1:2000 (F 1.4 - 63)
Dynamic Range	46 dB (backlight compensation: wide dynamic ON)
Backlight Compensation	WIDE DYNAMIC/ON/OFF
Shutter Speed	1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
AGC	Auto/Fixed/OFF
Sensitivity Up	OFF, 2, 4, 6, 8, 10, 16, 24, 32, 64 times
White Balance Mode	ATW/AWB/Manual
Lens Mount	CS mount
Auto-iris Lens Output	DC input type (4 pin connector)
Character Display	Up to 16 characters (alphanumeric and symbols)
Other Functions	Privacy masking (up to 4), Electronic zoom (2x), Horizontal/Vertical reverse, Flickering reduction (DIP switch), Focus adjustment switch (DIP switch), Chroma level: Normal/Manual (MIN - MAX), Enhancer: Normal/Manual (soft - sharp)

■ SPECIFICATIONS

Network	
Network I/F	10 BASE-T/100 BASE-TX, Auto-Nego/Manual: RJ45 connector
Network Protocol	TCP, UDP, SIP, RTP, IGMP, HTTP, ARP, DHCP, DNS, SNMP, FTP, SMTP
Video Compression/ Resolution	MPEG-4: D1 (720 × 480), Half D1 (720 × 240), QVGA (320 × 240) JPEG: D1 (720 × 480), Half D1 (720 × 240), VGA (640 × 480), QVGA (320 × 240), QQVGA (160 × 120)
Frame Rate	MPEG-4 (D1, max. 30 fps) + JPEG (D1, max. 5 fps)
Audio Compression/ Decompression	Sub-band ADPCM, PCM (non-compression)
Audio Sampling Frequency	8 kHz, 32 kHz
Image Transfer Rate	MPEG-4: max. 4 Mbps
Simultaneous Connected Number	5 (MPEG-4: 4, JPEG: 1), In streaming mode: No limit (MPEG-4 only)
Other Function	Password authentication, Motion detection
Operating Temperature	-10°C to +50°C (continuously active for operation at temperature below 0°C) 14°F to 122°F (continuously active for operation at temperature below 32°F)
Operating Humidity	Under 90% RH (no condensation)
Application	Indoor use
Finish	Case: Surface-treated steel plate, sand gray, paint
Dimensions	69.3 (W) × 64.8 (H) × 157.3 (D) mm (2.73" × 2.55" × 6.19")
Weight	670 g (1.48 lb)
Accessory	CD-ROM (Software decoder: N-SD2000, Manuals (PDF)) ...1, Power conversion cable ...1

Note:

The following camera housings can be used for this camera:

- C-CH100FH
- C-CH200FH
- C-CH210FH

Dome type camera housings

Due to internal heat generation, other indoor- and outdoor-use camera housings cannot be used.

Personal Computer Requirements (for Software decoder)

Personal Computer Requirements	PC/AT compatible (usable on a network) CPU: Pentium 4, over 3 GHz Memory: Over 512 MB Display adapter: XGA (1024 × 768 pixels), Recommended: Intel Chipset Usable on DirectX 9.0a or later Sound controller: Usable over DirectX 9.0a or later Network adapter: Over 100 BASE-TX
OS	Windows XP Professional
Web Browser	Internet Explorer 6.0 or later

- ※ Pentium is a trademark of Intel Corporation.
- ※ Windows is a trademark of Microsoft Corporation.

