



ZC-NH403N

HI-RES COLOR **DAY NIGHT** CAMERA

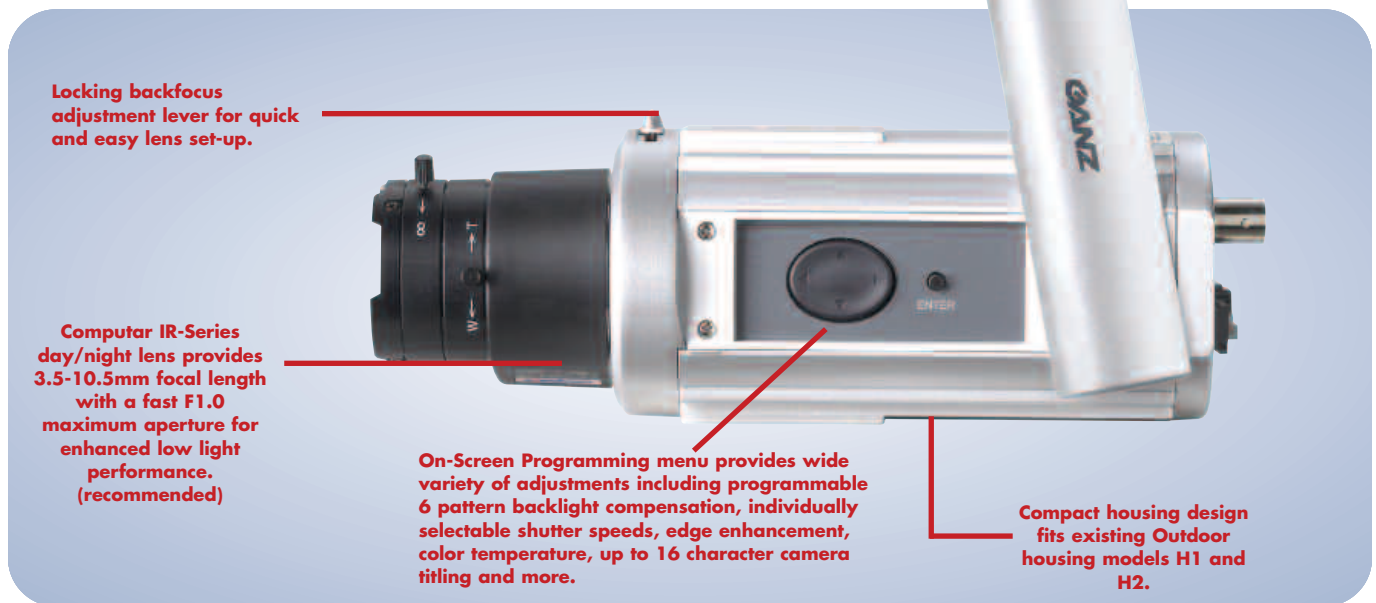
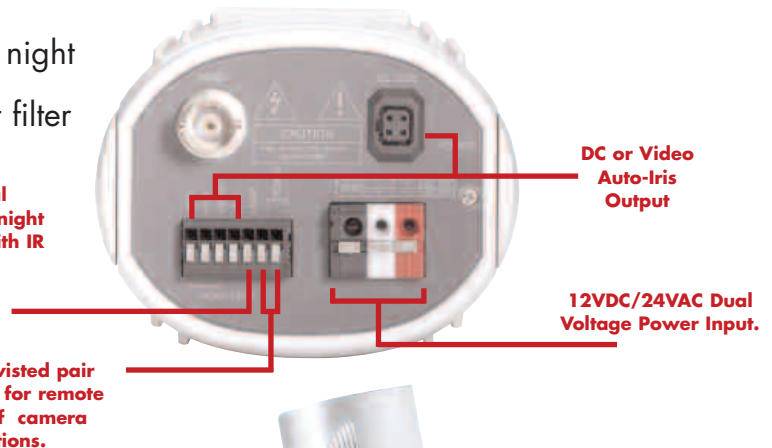


- High Resolution color images during the day and high sensitivity B/W images at night
- Day/Night switching via mechanical removal of IR cut filter
- On-Screen Programming provides a wide range of adjustment parameters including 6 pattern backlight compensation
- Ex-View CCD provides minimum illumination of 0.06 lux (night mode)
- IR Light trigger switches camera to night-mode
- Available pre-installed in an outdoor Pro-Pak housing with IR series varifocal lens
- 12VDC/24VAC Auto Sensing Dual Voltage

camera features & lens options

Model ZC-NH403N from Ganz achieves true day and night performance by utilizing a mechanical shutter for IR cut filter removal during low light operation.

Unlike "electronic" day/night cameras, removal of the IR cut filter provides significantly better sensitivity in the night mode and allows further enhancement when combined with an IR illuminator.



Day/Night Compatible Lenses



2.8-6.0mm
1/3" CS-MT
F1.4



3.5-8.0mm
1/3" CS-MT
F1.4



IR-Series*
3.5-10.5mm
1/3" CS-MT
F1.0



4.5-12.5mm
1/2" CS-MT
F1.2



10-30mm
1/2" CS-MT
F1.4



IR-Series*
7.5-120mm
1/2" C-MT
F1.6

*IR Series 3.5-10.5mm F1.0 aspherical lens is recommended for applications where maximum low light performance and/or IR lighting is required.

outdoor housing & accessories



Feed through wall (or ceiling) bracket conceals cables for a clean professional appearance



J Bracket for Ceiling Mount



Optional Sun Shield

Pro-Pak Models

- | | |
|--------------------|---|
| HWB1-35A9: | Housing with Wall Bracket, preassembled with ZC-NH403N and 3.5-8mm A/I lens |
| HWB2-35A9: | Housing with Wall Bracket and Heater, preassembled with ZC-NH403N and 3.5-8mm A/I lens |
| HWB1-310A9: | Housing with Wall Bracket, preassembled with ZC-NH403N and 3.5-10.5mm IR series lens |
| HWB2-310A9: | Housing with Wall Bracket and Heater, preassembled with ZC-NH403N and 3.5-10.5mm IR series lens |

Ceiling Mount Option: For ceiling mount installations using a "J" bracket, substitute suffix "HJB1" for "HWB1"

Sunshield Option: Order sunshield separately using Model SS1



IR Lighting Options

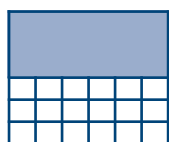
For night applications with little or no usable light, a series of low voltage outdoor infrared illuminators are now available, assuring 24 hour surveillance. Medium and wide angle beam patterns are available in a 730 nanometer light, providing semi-covert illumination up to 150 feet away. A separate power supply with light sensing photo cell turns on the illuminator during night hours. Please call for further details.

specifications

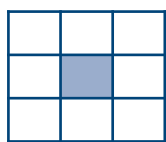
Specifications

MODEL	ZC-NH403N
LENS MOUNT	CS-Mount
IMAGE SENSOR	1/3" Ex-View IT CCD
EFFECTIVE PIXELS	768(H) X 494(V)
SCANNING SYSTEM	2:1 Interlace
SCANNING FREQUENCY	15.734kHz (H) /59.94Hz (V)
SYNCHRONIZATION SYSTEM	Internal/Line Lock
HORIZONTAL RESOLUTION	480 TV Lines Day Model / 580 TV Lines Night Mode
VIDEO OUTPUT	1.0V (p-p) /75 ohm, Video 0.714V (p-p), Sync, 0.266V (p-p)
S/N RATIO	More than 50dB (AGC OFF)
MINIMUM ILLUMINANCE	0.06 lx. (F1.2/50 IRE) ,0.03lx (F1.2/30 IRE): Night mode
GAMMA	0.45/1.0
AGC	38 dB max.
ELECTRONIC SHUTTER	Auto or Manually Selectable (1/60-1/100,000)
BLC	On / Off (6 selectable patterns)
WHITE BALANCE	ATW / Manual
COMMUNICATION	RS485 two way communication
ON SCREEN DISPLAY (OSD)	Camera ID (000-999 address), Various menu setting
OPERATING TEMPERATURE	-10° to + 50° C
STORAGE TEMPERATURE	-20° to + 60° C
HUMIDITY	80% RH Max. (No Condensation)
POWER SUPPLY	12 VDC / 24 VAC Auto Switching
POWER CONSUMPTION	4.5W
WEIGHT	450g (1.0 lbs)
EXTERNAL DIMENSIONS	76 X 61 X 123mm (WxHxD) 2.99" X 2.40" X 4.84" (WxHxD)

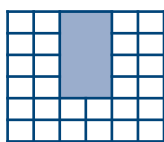
6 SELECTABLE BLC DETECTION PATTERNS



Up Half



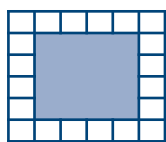
Center 1



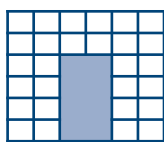
Doorway 1



Low Half



Center 2



Doorway 2

On-Screen Display Menu Functions

- Synchronization (Internal/Line Lock)
- Shutter Speed (Selectable or AES)
- ALC (Auto Iris Level Control)
- Back Focus (Opens Iris for BF adjustment)
- Backlight Compensation (6 patterns)
- Edge Enhancement
- Gamma/Pedestal Level/Chroma
- White Balance (auto/Manual)
- Auto Gain Control (7 values/Off)
- Camera Title (16 characters)
- RS485 (ID/Password protected)
- Day/Night Control (Manual/Auto)