



# ZC-NH405N

SUPER HI-RES COLOR TRUE **DAY NIGHT** CAMERA

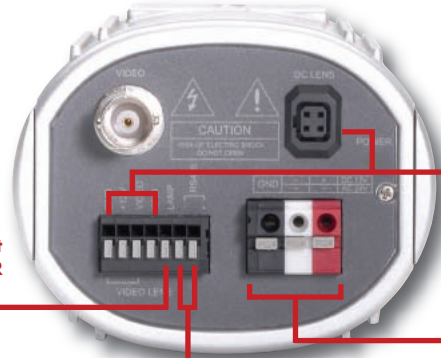


**540  
TVL Super  
Hi-Res**

- Super 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

The GANZ ZC-NH405N 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.



IR Lamp terminal switches camera to night mode when used with IR lighting.

DC or Video Auto-Iris Output

12VDC/24VAC Dual Voltage Power Input.

RS-485 twisted pair connection for remote control of camera functions.

Locking backfocus adjustment lever for quick and easy lens set-up.

Computer IR-Series day/night lens provides 2.9-8.2mm focal length with a fast F1.0 maximum aperture for enhanced low light performance. (recommended)

On-Screen Programming menu provides wide variety of adjustments including programmable 6 pattern backlight compensation, individually selectable shutter speeds, edge enhancement, color temperature, up to 16 character camera titling and more.

Compact housing design fits existing outdoor housing models H1 and H2.

## IR Series Day/Night Compatible Lenses



2.9-8.2mm  
1/3" CS-MT  
F1.0



2.8-12mm  
1/3" CS-MT  
F1.3



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



8.5-40mm  
1/3" CS-MT  
F1.3



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

\*IR Series 2.9-8.2mm 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

<b>HWB1-28RA9:</b>	Housing with Wall Bracket, preassembled with ZC-NH405N and 2.8-12mm IR Series lens
<b>HWB2-28RA9:</b>	Housing with Wall Bracket and Heater, preassembled with ZC-NH405N and 2.8-12mm IR Series lens
<b>HWB1-29RA9:</b>	Housing with Wall Bracket, preassembled with ZC-NH405N and 2.9-8.2mm IR Series lens
<b>HWB2-29RA9:</b>	Housing with Wall Bracket and Heater, preassembled with ZC-NH405N and 2.9-8.2mm IR Series lens
<b>HWB1-31RA9:</b>	Housing with Wall Bracket, preassembled with ZC-NH405N and 3.5-10.5mm IR series lens
<b>HWB2-31RA9:</b>	Housing with Wall Bracket and Heater, preassembled with ZC-NH405N and 3.5-10.5mm IR series lens
<b>HWB1-84A9:</b>	Housing with Wall Bracket, preassembled with ZC-NH405N and 8.5-40mm IR Series lens
<b>HWB2-84A9:</b>	Housing with Wall Bracket and Heater, preassembled with ZC-NH405N and 8.5-40mm 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



IRL Series

## 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 850 nanometer light, providing semi-covert illumination up to 100 feet away. A separate power supply with light sensing photo cell turns on the illuminator during the night.

# specifications

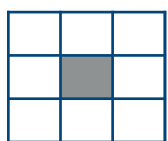
## Specifications

<b>MODEL</b>	<b>ZC-NH405N</b>
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	540 TVL
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 lux. (F1.2/50 IRE) ,0.03lux (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
OPERATING TEMPERATURE	14°F ~ 122°F/ -10°C ~ 50°C
STORAGE TEMPERATURE	-4°F ~ 140°F/ -20°C ~ 60°C
HUMIDITY	80% RH Max. (No Condensation)
POWER SUPPLY	12 VDC / 24 VAC Auto Switching
POWER CONSUMPTION	4.5W
WEIGHT	1.0 lbs./ 450g
EXTERNAL DIMENSIONS	2.99" x 2.40" x 4.84" (W x H x D) 76 x 61 x 123mm (Wx H x D)

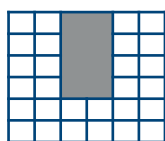
### 6 SELECTABLE BLC DETECTION PATTERNS



Up Half



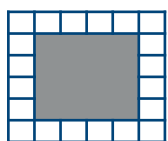
Center 1



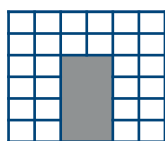
Doorway 1



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)



CBC (AMERICA) Corp.



NEW YORK: 55 MALL DRIVE COMMACK, NY 11725 • TEL: 1 (800) 422-6707 • (631) 864-9700 • FAX: (631) 543-5426  
CALIFORNIA: 20521 EARL STREET TORRANCE, CA 90503 • TEL: 1 (800) 888-0131 • (310) 793-1500 • FAX: (310) 793-1506  
www.computarganz.com © 2008 CBC (AMERICA) Corp. All Rights Reserved. 5/08