



# ZC-NH405N

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



**540  
TVL Super  
Hi-Res**

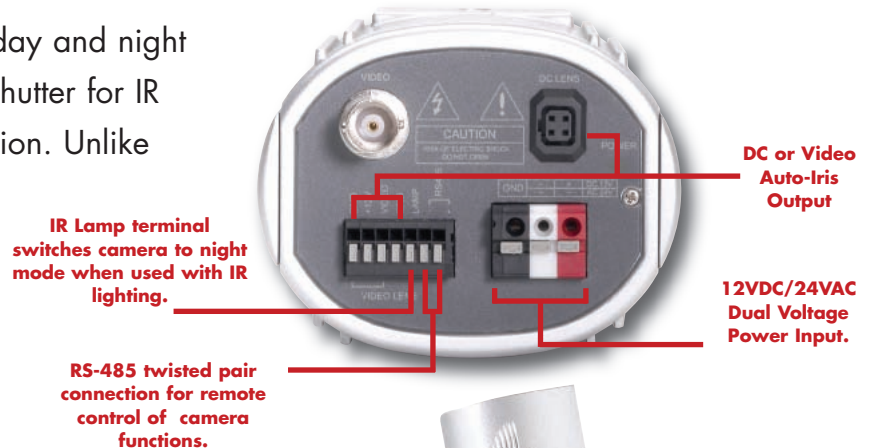
- Super High Resolution color images during the day and high sensitivity B/W images at night
- Day/Night switching via mechanical removal of IR cut filter
- On-Screen Programming provides a wide range of adjustment parameters including 6 pattern backlight compensation
- Ex-View CCD provides minimum illumination 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



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# 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 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: Sunshield Option:

For ceiling mount installations using a "J" bracket, substitute suffix "HJB1" for "HWB1"  
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 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.



**IRL Series**



# specifications

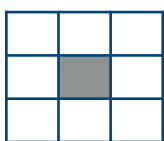
## Specifications

<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)

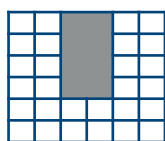
### 6 SELECTABLE BLC DETECTION PATTERNS



Up Half



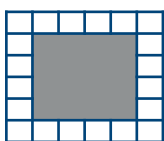
Center 1



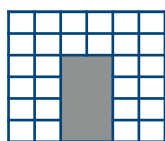
Doorway 1



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)



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