



ZC-NH250P

DATA SHEET

Super High Resolution Colour/Mono Camera



* Lens for illustration purposes only

Key Features

- **1/3" IT CCD with advanced DSP chip**
- **540 TVL Super High Resolution**
- **More than 50dB S/N ratio (AGC off)**
- **High sensitivity with minimum illumination and IR sensitive**
- **Excellent picture quality in both day and night mode**
- **Fast Day/Night switching (less than 1.5sec)**
- **Automatic Gain Control**
- **Built in "Auto iris amplifier"**
- **Backlight compensation**
- **Auto-sensing 12Vdc / 24Vac power**

The ZC-NH250P camera is a super high resolution, true Day/Night, compact box camera that provides optimised sensitivity in both day and night shooting scenarios. As the illumination of the viewed scene reduces and the video image darkens, an IR cut filter is automatically removed and the camera switches to black and white mode, increasing the cameras sensitivity which then requires illumination of only 0.04 lux to provide an excellent night time image. The high performance CCD image sensor combined with the advanced Digital Signal Processing chip delivers a super high resolution of 540 TVL colour pictures during the day and sharp black and white pictures at night.

The camera is very versatile when it comes to lens selection, allowing the use of DC or Video drive automatic iris lenses and even manual iris lenses via use of the cameras automatic electronic shutter (AES) setting. This is where the CCD photo sensors exposure time is automatically adjusted and controlled by referencing the level of illumination in the scene.

Other extensive features included in the camera are: Internal or line lock synchronisation complete with phase adjustment, automatic gain control, auto white balance correction and backlight compensation.

The combination of the cameras 'True Day/Night' capability, the advanced DSP chip, its ability to work with automatic and manual iris lenses as well as the many other features included make this camera suitable for almost any internal or external application. This is a very simple to install, no fuss camera which is very easy to set-up and gives excellent results in a huge variety of lighting conditions.

Ordering Information

ZC-NH250P Super High Resolution Col/Mono Camera, 12V dc / 24V ac





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Technical Specification

MODEL	ZC-NH250P
TV System	PAL
Lens Mount	CS mount (c mount with optional 5mm adapter)
Image Sensor	1/3" IT CCD, complementary color mosaic filter
Effective Elements	752(H) x 582(V)
Video Output	1.0V (p-p) / 75 ohm
Scanning system	2:1 interface
Resolution (Horizontal)	540 TVL
Minimum Illumination (F1.2/50IRE)	1.2 lux (Colour), 0.08 lux (Mono)
(F1.2/30IRE)	0.62 lux (Colour), 0.04 lux (Mono)
With IR Illuminance	0.00 lux
S/N Ratio	More than 50dB (AGC OFF)
Gamma Characteristics	0.45
Sync. System	INT. / Line-lock
Iris Control	DC: DC iris AES (sec): Linear shutter (1/50 to 1/20000) Video: Vcc = DC 12V, 50mA max
Scanning Frequency	15.625kHz (H) / 50.0Hz (V)
White Balance	AWB/ATW
Operating Temperature & Humidity	-10 to +50 Degrees C, 85% RH Max. (No Condensation)
Storage Temperature & Humidity	-20 to +60 Degrees C, 95% RH Max. (No Condensation)
Power Supply	12V DC / 24V AC Auto Switching
Power Consumption	4.5 W or less
Weight (approximate)	270g
External Dimensions	60(W) x 54(H) x 103.3(D) mm
Switches	Iris Control: DC/AES/VIDEO BLC: ON/OFF FLC: ON/OFF
Adjustments	Line lock phase adjustment DC iris level adjustment (adjustable POT in only DC iris mode)

* FLC is valid for the DC iris and Video iris control modes.

Features and specifications are subject to change for further provement without any notice

