



ZC-Y12 Series

DATA SHEET

Super High Resolution Colour Cameras



Key Features

- 1/3" IT CCD
- Super high resolution (540 TVL)
- Outstanding picture quality
- Electric iris function
- Advanced digital signal processing
- Built in "Auto iris amplifier"
- Easy focus adjustment
- Integrated UTP transmitter option available (ZC-Y12PH5)
- Back light compensation
- Automatically switchable 12 V dc / 24V ac

ZC-Y12 series are new super high resolution, compact colour cameras suitable for almost all applications where there is a strong emphasis on outstanding picture quality with detail.

The high performance CCD image sensor combined with the new Digital Signal Processing chip delivers a super high resolution of 540 TVL.

Extensive features are standard on the ZC-Y12 range of cameras such as advanced digital signal processing, auto iris amplifier, internal or line lock synchronisation, complete with phase adjustment, automatic gain control, auto electronic shutter, auto white balance correction and backlight compensation.

This camera is also available with a built in UTP transmitter option (ZC-Y12PH5) ideal for those demanding installations where greater distances need to be covered during cabling.

The cameras are available in mains or low voltage versions. The low voltage model allows both AC & DC connection providing greater versatility and is also automatically switchable.

Ordering Information

| | |
|-----------|---|
| ZC-Y12PH3 | Super High Resolution Camera, Colour, 230V |
| ZC-Y12PH4 | Super High Resolution Camera, Colour, 12-24V |
| ZC-Y12PH5 | Super High Resolution Camera, Colour, with integrated UTP transmitter, 12-24V |





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Technical Specification

| MODEL | ZC-Y12PH3 | ZC-Y12PH4 | ZC-Y12PH5 |
|-----------------------------------|---|--------------------------------|-----------|
| TV System | Pal | | |
| Lens Mount | CS mount | | |
| Image Sensor | 1/3" IT CCD | | |
| Effective Elements | 752(H) x 582(V) | | |
| Video Output | 1.0V (p-p) / 75 | | |
| Resolution (Horizontal) | 540 TVL | | |
| Minimum Illumination (F1.2/50IRE) | 1.2 lux (D D/N off), 0.8 lux (D D/N on) | | |
| (F1.2/30IRE) | 0.62 lux (D D/N off), 0.4 lux (D D/N on) | | |
| 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) | | |
| Scanning Frequency | Video: Vcc = DC 12V, 50mA max, Sig = 0.7 V(p-p) High impedance 15.625kHz (H) / 50.0Hz (V) | | |
| White Balance | 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 | 230 V ac | 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: BLC/OFF D D/N: On/Off Video output: BNC/UTP (only ZC-Y11PH5 model) | | |
| Adjustments | DC iris level adjustment (adjustable POT in only DC iris mode) | | |

