



## CS Mount Camera

540 TVL Digital Day/Night Camera

# YCH-04

The YCH-04 1/3" Digital Day/Night camera combines 540 TVL color images during the day with high sensitivity B/W images at night. In the night mode, low light performance of 0.19 lux is achieved at F1.2/20IRE, making this camera the ideal 24-hour surveillance solutions. A time saving Pro-Pak kit is available for outdoor installations, including camera and a selection of Day/Night compatible lenses pre-installed in a rugged outdoor housing.

#### Features:

- Day/Night feature provides color images during the day and B/W images at night
- Minimum illumination of 0.19 lux sensitivity at F1.2/20IRE
- 12VDC/24VAC auto-sensing dual voltage with line phase adjustment
- Advanced backlight compensation with highlight slicing
- Switchable On/Off Day/Night function
- Compatible with all **computar**® lenses (Day/Night series not required)
- UL listed



# YCH-04

## 540 TVL Digital Day/Night Camera



Side view



Rear panel view

### ■ Specifications

<b>Models</b>		YCH-04
<b>Video signal system</b>		NTSC
<b>Video output</b>		1.0 V (p-p) /75 Ω
<b>Scanning system</b>		2:1 interlace
<b>Resolution (horizontal)</b>		540 TVL
<b>Minimum object illumination at F1.2</b>	50 IRE	1.2 lux (D/N : OFF) / 0.8 lux (D/N : ON)
<b>Minimum object illumination at F1.2</b>	30 IRE	0.62 lux (D/N : OFF) / 0.4 lux (D/N : ON)
<b>Minimum object illumination at F1.2</b>	20 IRE	0.19 lux (D/N : OFF) / 0.1 lux (D/N : ON)
<b>S/N ratio</b>		50 dB or more
<b>Gamma characteristics</b>		0.45
<b>Image sensor</b>		1/3" CCD interline, complementary color mosaic filter
<b>Effective pixel count</b>	Horizontal Vertical	768 494
<b>Scanning frequency</b>	Int. sync mode	Horizontal 15.734kHz / Vertical: 59.94Hz
<b>Sync modes</b>		Line Lock / Internal
<b>Iris control</b>	DC	DC iris
	AES (sec)	Linear shutter (1/60 to 1/20000)
	Video	Vcc = DC 12 V, 50mA max. Sig. = 0.7 V(p-p) High impedance
<b>Power</b>		AC 24V ± 10% (60Hz ± 1 Hz) or DC 12 V ± 10%
<b>Maximum power consumption</b>		4.5 W or less
<b>Lens mount</b>		CS mount (C mount with optional 5mm adapter)
<b>Operating environment</b>		14°F~122°F/ -10°C ~ +50°C, 85% RH or less (no condensation)
<b>Storage environment</b>		-4°F ~ 140°F/ -20°C ~ +60°C, 95% RH or less (no condensation)
<b>External dimensions</b>		2.4" x 2.1" x 4", 60mm x 54mm x 103mm (W x H x D)
<b>Weight</b>		0.5lbs/ 240g
<b>Input/output terminals</b>	Video output	BNC
	Auto-iris output	4-pin connector
	Power input	2-pin screwless terminal blocks
<b>Switches</b>	Iris control	DC / AES / VIDEO
	BLC	BLC / OFF
	Sync mode	NT. / L.L.
	FLC	FLC (fixed at 1/100 second) / OFF
	D-D/N	D D/N / OFF
<b>Adjustments</b>		Line Lock phase adjustment DC iris level adjustment (adjustable POT in DC iris mode only)

All specifications are subject to change without notice.