



April 2004

HCCM484X / HCCM485X Day-Night Camera

The new high resolution 1/3" colour/monochrome camera is ideal for applications where optimum 24 hour surveillance is required. The camera provides colour images during daylight hours and as light levels reduce, the camera switches to monochrome mode. Whilst in monochrome mode, the IR-cut filter is removed from the light path to the CCD, giving the camera greater sensitivity in low light, with the added benefit of being responsive to infra red illumination.

This range of high sensitivity cameras offer features such as Digital Signal Processing (DSP), Back Light Compensation (BLC), Peak White Inversion (PWI) to eliminate the effect of point sources of light that would normally cause the lens iris to close such as car headlamps and a new concept Auto Tracing White balance (ATW) for accurate colour correction.

Available in both low and mains voltage, the colour/mono camera provides the perfect choice for professional installers.

Features

- 1/3" interline transfer CCD
- 470tvl
- 0.5lux Colour 0.01lux Monochrome
- >50dB Signal to noise / ratio
- On screen display (OSD) with easy to use menus
- Auto tracing white balance (ATW)
- Digital Signal Processing (DSP)
- Internal and line lock synchronisation
- C and CS lens mount
- Supports Video iris and DD iris and Manual Iris lenses
- Auto iris (AI) / Auto electronic shutter (AES)
- 6 adjustable BLC windows
- 8 adjustable shutter steps
- RS485 control
- 230Vac or 24Vac @ 4.5W options

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Datasheet

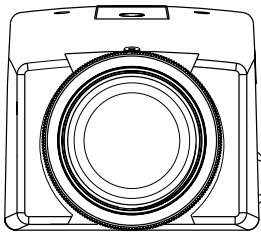


Technical Specifications

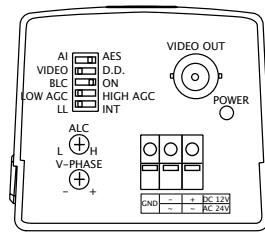
| HCCM484X / HCCM485X | |
|---------------------------|--|
| Image sensor | 1/3" Interline Transfer CCD |
| Resolution | 70TVL |
| Effective pixels | 752(H) x 562(V) |
| Sensitivity | Colour: 0.5 lux Mono: 0.01 lux |
| Signal to noise ratio | >50dB |
| Digital signal processing | DSP |
| On screen display | OSD |
| Video output | 1Vp-p 75 Ohms |
| Adjustable gamma | 0.45 - 1.0 |
| Gain control | Selectable on/off |
| Backlight compensation | 6 adjustable windows |
| Scanning system | PAL: 625 lines 2:1 interlace |
| Auto iris lens type | Selectable Direct Drive or Video Drive |
| Iris control range | Selectable 1/50 - 1/10000 second |

| | | |
|-----------------------|--|-------------------------|
| Sync system | Internal, line-locked, external (VS/VBS0 or multiplexed verticaldrive (VD2) selectable | |
| Lens mount | C/CS mount with adjustable back focus | |
| Operating temperature | -10°C to +50°C (14°F to 122°F) | |
| Operating humidity | Less that 90% RH (non-condensing) | |
| Weight | 0.41kg | |
| Dimensions | 67 x 55 x 123 (WxHxD) mm | |
| Power consumption | 4.5W maximum | |
| Power requirements | HCCM484X: 12VDC - 24VAC | HCCM485X: 90-250V AC |

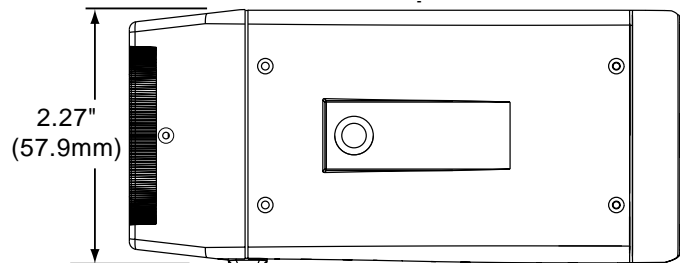
The manufacturer reserves the right to alter the specification of products without prior notice.



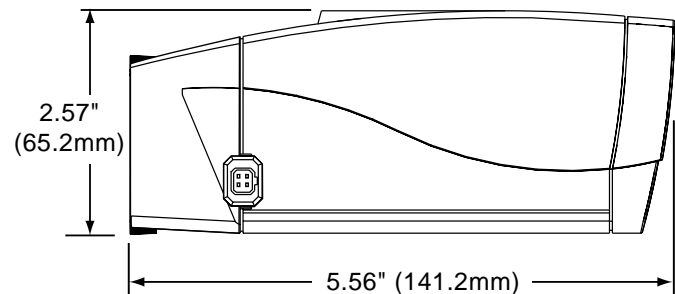
Front View



Rear View



Top View



Side View

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