

AR-1003C & AR-1002C

1/2" High Resolution Ultra Night Vision Digital Mono Cameras

- 1/2" ultra sensitive camera, 0.005 lux
- Infrared sensitive camera
- High resolution 600 lines
- Super AGC
- Smart auto BLC
- External/internal sync
- Video drive, direct drive or electronic iris control



The 1/2" Ex-view HAD CCD sensor is at the heart of this ultra sensitive monochrome camera. With low smear (a characteristic of this type of CCD sensor), this camera has 2 times greater sensitivity on visible light and up to 4.5 times greater sensitivity on near IR illumination (800 to 1100 nm) than conventional models.

BLC (Back Light Compensation) is achieved by special weighting integration of 225 separate windows. Iris gain is controlled so that a clear image is produced under extreme lighting conditions.

Adjustable gamma (0.45 or 1) allows optimum setting for image quality.

The cameras accept a range of power supply inputs.

With exceptional performance, the ultra night vision digital monochrome cameras are designed to meet today's most demanding surveillance requirements.

The AR-1003C & AR-1002C cameras are designed to meet the most demanding low light applications. With infrared illumination, the models give exceptional performance with bright high resolution crisp images.

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→ Technical data

Image device	1/2" interline transfer Extra view HAD CCD
Signal system	CCIR
Picture elements	795 x 596 (H x V)
Scanning system	625 lines; 2:1 interlace
Sync system	Internal / Line lock
Horizontal resolution	600 TV lines
Minimum illumination	0.005 lux at F1.2 0 lux under infrared illumination
Infrared wavelength	From 800 nm to 1050 nm
Gain	Super AGC 36 dB; Maximum AGC 30 dB; MGC
S/N ratio	Better than 48 dB
Auto exposure system	CCD iris mode : 1/50 - 1/100,000 sec.
Back light compensation	Auto detect, histogram plus 225 area central windows weight BLC
Gamma correction	On = 0.45; off = 1
Video output signal	Composite : 1 Vp-p at 75 Ohm load
Auto iris lens	Accepts video and DC drive iris lens
Lens mount	C & CS mount
Operating temperature	-10° to +50° C
Power source	12 V dc/24 V ac or 85 - 265 V ac
Power consumption	3.5 W
Dimensions (W x H x D)	57 x 52 x 110 mm

→ How to order

AR-1003C	1/2" Ultra night vision mono CCD camera, 600 lines, C/CS mount, 85 - 265V ac
AR-1002C	1/2" Ultra night vision mono CCD camera, 600 lines, C/CS mount, 12vDC - 24 V ac

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LFAR-1003C 03 Rev.3 0701/UK



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