

## AR-2003P & AR-2002P

## 1/2" High Resolution Ultra Sensitive Colour/Mono IR Digital Cameras

- Ex-view technology
- 1/2" ultra sensitive colour/mono camera, 0.1 lux
- High resolution 480 lines
- Infrared sensitive
- 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 the ultra sensitive colour/mono digital camera. A combination of special optical and digital processing ensure high resolution, sharp day time colour pictures and clear, crisp, monochrome pictures under low light and IR illuminated conditions.

Super AGC boosts the video signal. Smart BLC (Back Light Compensation) is achieved by special weighting integration of the 225 separate windows. Iris gain and white balance is simultaneously controlled so that a clear image is produced with exceptional performance.

*These **Ex-view colour camera's** are designed to give good colour rendition and high performance during daylight hours while being extremely sensitive to IR illumination during the evening or in dark situations.*

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### → Technical data

Image device	1/2" interline transfer Ex-view HAD CCD
Signal system	PAL
Picture elements	795 x 596 (H x V)
Scanning system	625 lines; 2:1 interlace
Sync system	Internal / Line lock sync; Gen-lock optional
Horizontal resolution	480 TV lines
Minimum illumination	0.1 lux at F1.2 0 lux under infrared illumination
Infrared wavelength	From 800 nm to 1050 nm
Gain	Super AGC 36 dB; Max. AGC 30 dB; MGC
S/N ratio	Better than 48 dB
Auto exposure system	CCD iris mode : 1/50 - 1/100,000 sec.
White balance	
ATW	Standard range : 2500°K to 9500°K
AWB	Conventional
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 Y/C : Y=1 Vp-p at 75 Ohm load C = 0.286 Vp-p at 75 Ohm (12vDC type)
Lens mount	C & CS mount
Auto iris lens	Accepts video and DC drive iris lens
Operating temperature	-10°C 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-2003P	1/2" ultra sensitive colour/mono IR camera, 480 lines, C/CS mount, 85 - 265V ac
AR-2002P	1/2" ultra sensitive colour/mono IR camera, 480 lines, C/CS mount, 12 V dc/24 V ac

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