

AR-9H3P & AR-9H2P

IR Sensing Digital Colour Cameras

- Colour by day - 480 lines
- IR sensitive
- High picture quality
- High resolution
- Advanced ATW
- Smart auto BLC
- Ext sync
- Isolation switching PSU
- Video drive, direct drive or electronic iris control



The latest technology DSP (Digital Signal Processing) circuit contributes a number of intelligent features and function controls.

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

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

With exceptional performance and budgetary constraints in mind, the IR sensitive colour camera from Aritech is designed to meet today's most demanding surveillance requirements.

This high performance digital colour camera presents the best of day time and night time infrared sensitive pictures. Typically, as light reduces to about 2 lux, the camera changes automatically to become IR sensitive. The Hyper HAD chip technology ensures that sensitivity is excellent (0.3 lux) with low noise.

AR-9H3P & AR-9H2P

→ Technical data

Image device	1/3" interline transfer Hyper 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, Gen-lock optional
Horizontal resolution	480 TV lines
Minimum illumination	0.3 lux at F1.2 0 lux under infrared illumination
Infrared wavelength	From 820 nm to 1000 nm
Gain	Super AGC 36 dB; Maximum AGC 30 dB; MGC
S/N ratio	Better than 50 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 = 1.0 Vp-p at 75 Ohm load; C = 0.286 Vp-p at 75 Ohm (12 V dc type)
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 85-264V ac
Power consumption	3.5 W
Dimensions (W x H x D)	57 x 52 x 110 mm

→ How to order

AR-9H3P	1/3" digital IR sensing colour camera, 480 lines, C/CS mount, 85-265 V ac
AR-9H2P	1/3" digital IR sensing colour camera, 480 lines, C/CS mount, 12 V dc/24 V ac

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