



April 2004

HD3VC4AX / HD3VC4HRX Varifocal Fixed Dome

At just 110mm in diameter and 80mm in height, the 3" varifocal fixed domes offer all the performance of a traditional fixed camera with the discretion of a dome.

Available in colour with standard or high resolution versions, the domes can be ceiling or wall mounted, providing the ideal choice for retail stores, casinos, shopping malls, building entrances, business environments etc.

Both domes have an integral 4.0 - 9.0mm varifocal lens which allows for easy installation and multiple angles of view. The high speed F1.6 lens also provides good low light performance.

The domes have backlight compensation for applications when strong unwanted background lighting interferes with the clarity of important areas of the dome's view whilst the auto gain control (AGC) improves sensitivity in low light conditions. Flickerless mode can be utilised if interference from fluorescent lighting is detected on the video picture.

The 3" domes provide the perfect solution for any unobtrusive surveillance requirements.

Features

- 4.0 - 9.0mm varifocal lens for simple installation
- High speed F1.6 lens provides excellent low light performance
- DSP controls for backlight compensation, white balance and gain control
- Compact and unobtrusive design
- Flickerless mode
- Thin optical distortion free bubble
- Manual pan/tilt/360° rotation
- 12VDC / 24VAC switchable PSU



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Datasheet

Technical Specifications

	HD3VC4HRX	HD3VC4AX
Description	Colour 3" high resolution dome	Colour 3" high resolution dome
Image sensors	1/3" high sensitivity CCD	1/3" high sensitivity CCD
Effective pixels	752(H) x 582(V)	500(H) x 582(V)
Resolution	480TVL	>330TVL
Min. illumination	2.1 lux @ F1.6	2.9 lux @ F1.6
S/N ratio (AGC off)	50dB	51dB
Scanning element	2:1 interlace H:15.625KHz V:50Hz	
2" bubble	Tint coloured; optically perfect max. 1F loss	
Backlight compensation	On (central area)/ off switch	
AGC	On / off switch	
Synchronisation	Internal / line lock	
Gamma correction	0.45	
Video output	1.0V p-p, 75 ohms unbalanced	
White balance	Automatic white balance	
ATW range	2700K - 9100K	2500K - 8100K
Power range	12V DC \pm 10% / 24V AC \pm 10% SPS	
Power consumption	2.8W max.	
Operating temperature	-5°C ~ +45°C, less than 80% relative humidity	
Camera dimensions	80mm height x 110mm diameter	
Weight	180g net	
Lens specification		
Focal length	4.0 - 9.0 varifocal direct drive lens Tele: F2.4~360 Wide: F1.6~360	
Field of view	F2.4~360 Wide: F1.6~360 Horizontal: 71.0°~ 31.6° Vertical: 51.8° ~ 23.6°	

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

Ordering

HD3VC4HRX	3" varifocal high resolution colour dome 12V/24V
HD3VC4AX	3" varifocal medium resolution colour dome 12V/24V

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