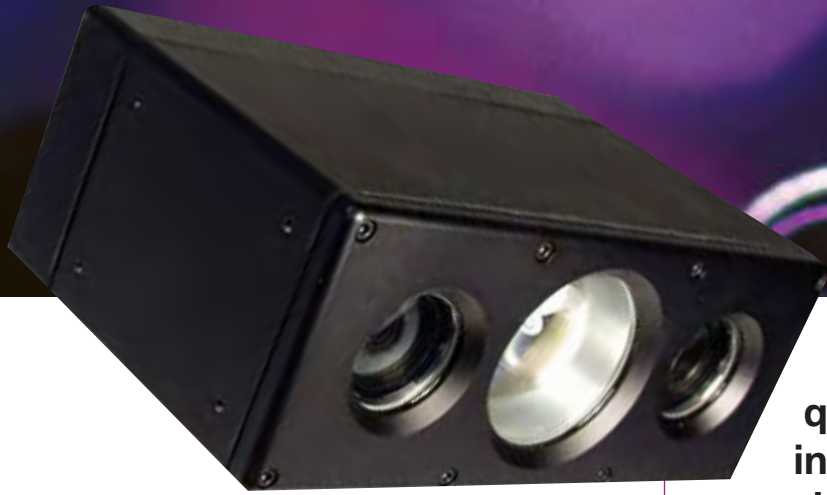


hawk plus 2i



The ProVida Hawk Plus 2i is a high quality mono camera module with integrated zoom lens, a matched colour camera module and a high power IR illuminator in a single housing.



SPECIFICATIONS

General

Dimensions	200 x 80 x 135 (whd)mm
Weight	3.22kg / 2.92kg <small>(with/without bracket)</small>
Operating Temperature	-10°C to +50°C
Environmental	IP68 - External
Power consumption	12V dc <30W
Approvals	CE, IEC 60825-1 Class 1 Eye Safe Automotive e11

Cameras (IR/Colour)

Image Sensor	1/4" Ex-view HAD CCD
Video Format	PAL (NTSC also available)*
Horizontal Resolution	670 TVL mono, 670 TVL col
Picture Elements	752(H) x 582(V)
Zoom	12 x Digital 18 x Optical
Lens (Optical)	4.1-73.8mm
Video Output	1.0V p-p (Negative Sync)
Min Illumination	<0.01 Lux @ 1/3s (ICR on)
Tuned IR cut filter	810, 850, 940nm*

IR Illuminator

Wavelength	810, 850 or 940nm*
Format	Dual 60 chip LED array
ANPR Range	40m max - 810 or 850nm 25m max - 940nm

Features includes:-

- 18x optical zoom with auto focus and extensive control capabilities. Varifocal lens means one camera fits all applications up to 40m.
- Mono camera is optically filtered to match the wavelength of the illuminator to exclude the effects of extraneous light.
- Ideal for medium to long range fixed or mobile ANPR applications up to 40m which requires a colour overview image.
- Compact construction and hard anodised weather proof packaging it is particularly suited to arduous external fixed site applications.
- Unique control capability to synchronise with the IR illuminator which can offer higher contrast images in day or night, ensuring more definition and sharper edges to greatly improve ANPR performance.
- Control is optically isolated and uses the Petards Universal Protocol which is ASCII text based and the electrical interface is RS232 at 9K6bps (9600,8,n,1).
- Petards ALLCAM GUI (Graphic User Interface) available to download via website for easy set up and optimisation.
- Supplied with a stainless steel adjustable swivel bracket for easy mounting.
- Connection via a 12 way connector with 5m composite connection cable which is waterproof when mated.
- Simplified installation - cable is broken out into individual wires which can easily be routed through glands and street furniture and also easily terminated.
- The illuminator is normally supplied as 850nm which is slightly visible and will give a range of up to 40m. For applications where more powerful illumination is required to give a brighter image of the number plate 810nm is available which will be more visible.
- Illumination can be totally invisible if required when used with 940nm wavelength and used for reduced distances up to 25m.

For detailed advice on choice of illumination please contact Petards.

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* option at time of ordering

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