

hawk plus 1i



The ProVida Hawk Plus 1i is a high quality mono camera module with integrated zoom lens and two high power IR illuminators in a single housing.



It is ideal for medium to long range fixed or mobile ANPR applications up to 45m which require high power illumination.

Features include:-

- 18x optical zoom with auto focus and extensive control capabilities. Varifocal lens means one camera fits all applications up to 45m.
- Optically filtered to match the wavelength of the illuminator to exclude the effects of extraneous light.
- Compact construction and hard anodised weather proof packaging ensure suitability for arduous external fixed site applications.
- Mono camera has 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.
- Fast connection is via a 7 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.
- Illuminator supplied as standard is 850nm which offers a range of up to 45m
- More powerful illumination is available to give a brighter image of the number plate including 810nm which will be more visible.
- Where the illumination is required to be totally invisible 940nm can be used and the dual illuminators will give a distance close to that achievable at the shorter wavelengths.

SPECIFICATIONS

General

Dimensions	200 x 78 x 135 (whd)mm
Weight	3.12kg / 2.82kg <small>(with/without bracket)</small>
Operating Temperature	-10°C to +50°C
Environmental	IP68 - External
Power consumption	12V dc <40W
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
Picture Elements	752(H) x 582(V)
Zoom	12 x Digital 18 x Optical
Lens	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	45m max - 810 or 850nm 30m max - 940nm

For detailed advice on choice of illumination please contact Petards

For more information:

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