

Serious about ANPR. Serious about service.™



## Key Features:

- » Suitable for non-retro reflective ANPR recognition
- » Flexible integration with other ANPR cameras
- » High reliability
- » Waterproof camera
- » 18 x zoom capability
- » 10 metres capture distance



The Sidewinder camera can be mounted under a C3 Series camera for ANPR in diverse situations.

## Designed to read non-retro reflective number plates at night

Non-retro reflective licence plates present a particular challenge to licence plate recognition systems as they cannot be illuminated by traditional low power pulsed illuminators.

The Sidewinder Automatic Number Plate Recognition (ANPR) Camera overcomes this problem and is designed to be used with high powered flood IR sources. The Sidewinder has an integrated band pass interference filter to match the wavelength of the illuminator and exclude extraneous illumination effects such as vehicle headlights, street lighting, and produce crisp clear images for ANPR engines to process.

The Sidewinder can be used as a standalone ANPR system or fixed between C3 Series ANPR camera and it's mount comprising one fully operational ANPR solution. The combined unit provides unmatched capabilities to read all types of mixed retro and non retro reflective number plates. This is a particular problem in the UAE and other countries where mixed plate formats are used.

In the above scenario, the Sidewinder camera captures monochrome images for the recognition engine to process while the donor camera provides matching colour overview or contextual images.

The Sidewinder and the donor camera act as two independent units allowing different configurations and set up to be used for each of them. Unmatched solutions for one or several applications at the same time can be created by a donor and a Sidewinder joint system.

The Sidewinder camera is sealed within 6mm aluminium milled case to be totally waterproof. The casing is manufactured from aluminium for an extremely tough and durable finish acting as well as a joining part for the Sidewinder and the donor camera system.

Specifically designed for slow speed traffic, access control and car park management applications, the Sidewinder capture distance reaches up to 10 metres. The main camera feature is 18x optical zoom capability which allows the same camera module to be used for different solutions without costly relensing. Camera settings can be interrogated, controlled and changed by bi-directional communications with a computer and operator friendly Graphics user interface (GUI) allowing easy maintenance and fault find.

## NDI Recognition Systems UK

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## Camera Specifications

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<b>Lens:</b>	18X Zoom f=4.1 mm (wide) to 73.8 mm (tele), F1.4 to F3.0
<b>Signal System:</b>	EIA/CCIR
<b>Image Sensor:</b>	Exview HAD CCD
<b>Angle of View (H):</b>	48 degree (wide end) to 2.7 degree (tele end)
<b>S/N Ratio:</b>	More than 50 dB
<b>Electronic Shutter:</b>	1/50 to 1/10,000 Sec. 16 steps
<b>Gain:</b>	Auto / Manual (-3 to 28 dB, 2 dB steps)
<b>Horizontal resolution:</b>	520 TV lines
<b>Camera Operation Switch:</b>	Zoom tele, Zoom wide
<b>Video Output:</b>	VBS: 1.0 Vp-p (Sync. negative)
<b>Communications:</b>	Bi directional RS 232 communications with PC's. Allows settings to be downloaded to the camera, and uploaded to the computer. Camera settings can be stored off-site, and sent into the camera. This eases maintenance and allows a central database to store and retrieve camera settings.
<b>Cable:</b>	RS232, power and video
<b>Mounting Bracket:</b>	Full 3 axis gimballed mount
<b>Operating Voltage:</b>	6-12 DC
<b>Power Consumption:</b>	2 W typical
<b>Dimensions:</b>	Camera: H 78mm x W 180mm x D 123mm
<b>Weight:</b>	1.9 KG
<b>Environmental:</b>	Sealing IP68
<b>Temperature:</b>	Storage: - 20° C to + 60° C Operational: 0° C to + 55° C



*Due to a policy of continued product development, NDI Recognition Systems Ltd reserves the right to alter or amend any published specifications without notice.*

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