

Stinger intelligent ANPR Camera

The Stinger Intelligent Automatic Number Plate Recognition Camera has cameras, illuminator and processor all fully integrated in a single sealed unit offering ease and simplicity of installation. The Stinger is designed to process and recognise licence plates and associated imagery and then transmits results using its integral communication interfaces. Communication options include GSM/GPRS or 3G and 802.11g WLAN and 100Mbps Ethernet. The Stinger camera components are based on Appian's high performance Cobra Camera. Users can select a range of camera and IR illumination options offering unmatched flexibility, including dual cameras and long range illumination options. A principal feature of Stinger is the use of high resolution optical zoom cameras - both for ANPR and high definition overview/contextual imaging. Zoom functionality means the Stinger system can be rapidly optimised to suit differing plate and environmental conditions at ANPR capture points. All camera settings can be controlled and adjusted remotely in real time. The processor element takes imagery from the camera and runs the plate recognition processes. Neural network Talon ANPR software is used as standard, Stinger can support additional recognition engines. The processor is a powerful mini computer specifically developed for military image processing applications. Featuring a 20GB hard drive and a Windows OS local hotlists can be securely stored and managed. This feature allows the Stinger to be directly connected to any web based services such as BOF2. The choice of processor and Windows OS offers great flexibility; additional electronic sensors, devices and applications can be readily integrated. These include (but are not limited to DSRC/RFID), speed and red light detection devices - all connected to and controlled by Stinger. The robust processor is designed to operate in harsh environmental conditions including extreme temperature fluctuations. The processor is capable of handling up to 4 separate video inputs, each Stinger has the capability to connect and process imagery from a 'slave'; Cobra dual ANPR camera. A telemetry interface can be provided as an option to control a pan and tilt head for both the Stinger and slave Cobra ANPR camera. This allows users to reconfigure cameras for different traffic conditions. A Stinger ANPR system requires minimal installation and its discreet appearance has little impact on the environment, making it an ideal stand alone ANPR surveillance system.

Specifications: Processor:

- 1.4 Ghz Intel Pentium M Processor
 - 512 MB (Option of 1GB)
 - 20GB Disk
 - Windows XPe - Embedded
 - 4 x Independent Colour Streams - 75 Ohm I/P
 - GSM/GPRS
 - GPS (USB External Option)
 - 802.11g
 - 4 x USB 2.0
 - 2 x RS232 full Modem
 - 2 x RS232 simple
 - Analogue VGA O/P
 - 802.3 100Mb/s
 - 5v conditioned DC power output
 - Environmental Temperature Range -20°C to +50°C
- Camera Configurations:
- Single and dual configurations
- Camera Options:
- Monochrome - CCIR or EIA
- Colour - PAL or NTSC
- Illumination Options:
- 810nm, 870 nm, 950nm
 - Integrated Light Sensor
 - Can be used to measure the daylight and alter the camera's settings to optimise the video.
- Operating Voltage:
- 12 - 24V DC power input
 - 110 to 240 V AC (Using external Power supply/interface unit)
- Power Consumption:
- 40 W
- Dimensions:
- Camera: H 91.07mm X W 180.17mm X D 364 mm
 - Camera with Bracket: H 176.88mm X W 180.17mm X D 364mm
- Weight:
- Stinger: 4kg
 - Stinger with sun shield & Bracket: 4.2kg
- Environmental:
- Sealing: IP 67
 - Temperature: Storage -20°C to + 60°C - Operational -20°C to + 50°C
 - Wind Loading (mounted on Stinger mounting bracket): 160 Kph (45m/s)
- Accreditations & Approvals:
- CE
 - FCC
- External Connections:
- USB X 2, Ethernet, Power in
 - Slave Camera
 - GSM/GPRS Antenna
 - WiFi Antenna
 - USB for external GPS Engineering (KVM)