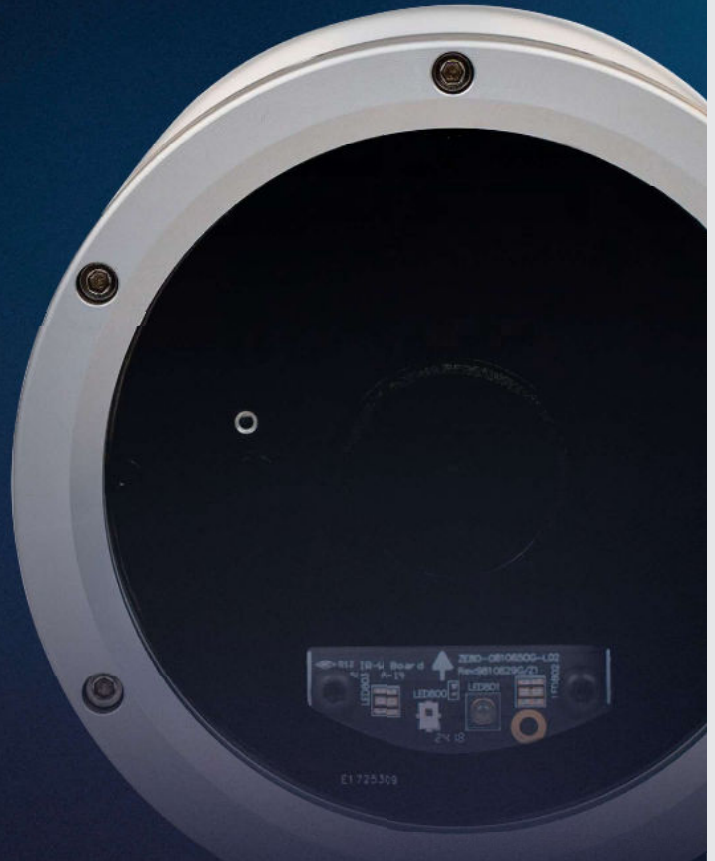


Parking Bay Enforcement /
Monitoring Software & Hardware

BAYiQ

Designed for Every Situation

The BAYiQ represents a new phase for MAV ANPR cameras. Building on the proven IQ benchmark, the new BAYiQ offers a software and hardware solution to integrate cost effective monitoring of parking bays into customer's existing camera estate or as a standalone system.



High Accuracy

Font independent OCR engine accredited with greater than 99% accuracy by third parties



Expert for Third Parties

Outputs designed to support legacy parking systems (JSON, UTM, FTP, HELIX)



Multi Bay Support

Cover up to 20 bays with IP cameras and link back to an onsite AIQ or BAYiQ control box for processing



Full API Support

Including generic HTTP XML/ JSON and TCP/IP output to ease third party integration



Connectivity

Built-in connectivity WIFI / LTE



Extra Analytics

Options include: ADR, MMC, Plate, Country / Origin classification



Extreme Performance

Excellent performance in low light, shadow, over/ under exposed plates, damaged/ dirty plates, bad weather and extreme angles maintaining high accuracy reads

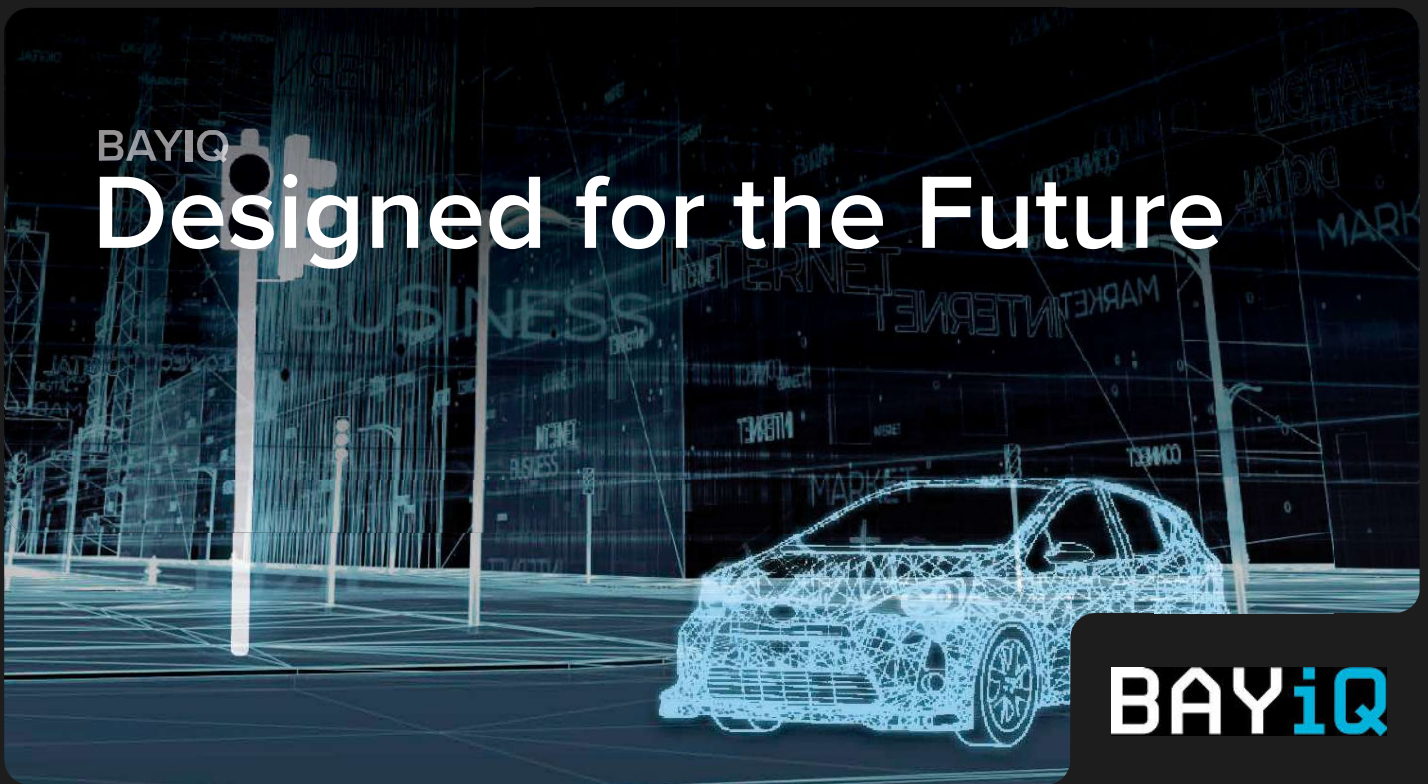


Flexibility

Can be used at multiple bay locations including EV stations, forecourts, private car parks & more

BAYIQ

Designed for the Future



BAYIQ

Proven building blocks remain in the BAYIQ including 5MP IP Cameras and integration into the AIQ or with a standalone processing unit. This combination is proven to offer best 24/7 capture. Using fully motorised zoom block lenses ensures flexible installation and pulsed IR lighting provides up to 20m range for crystal capture of up to 6/7 Bays per camera dependant on bay spacing (3 cameras per system, maximum of 20 bays).

Camera Setup

Setting up the BAYIQ is simple through browser configuration and API interfaces. The native ANPR engine takes full advantage of raw camera sensor data for uncompressed resolution at pixel level. Quad core embedded processor with GPU support ensures real time recognition at high speeds with enough spare power for additional tasks.



Parking Enforcement

High Speed, High- Definition Intelligent ANPR Camera

BAYiQ



SPECIFICATIONS

Recognition Range	One camera can cover up to 6/7 bays at range of 20m, up to three cameras can be connected to the systems (20 Bays)
Sensor	ANPR and Overview: 5mp Video & up to 30fps
Motorised Lens	Auto/Manual Optical 4x IR Corrected Iris F-value: F1.5(W)~1.9(T) Focal Length: f=7.0mm~84mm - Angle of View Horizontal: 51.1 (W)~5.0 (T), Vertical 30.0 (W)~3.2 (T)
IR illumination	Pulsed LED array with lenses
Optical Filters	IR: Bandpass matched to LEDs OV: Day/Night IR Cut Filter (auto/manual)
Camera Control	Integrated web server provides full camera and illuminator setup pages and live preview from any connected browser (no plug-ins required)

ANPR ENGINE FUNCTIONALITY

ANPR Processor	Quad core embedded processor with GPU support
ANPR Software / Presets	Vaxtor ANPR license and settings upload via web-based configuration pages for simple remote management
Operating System	Linux based solution pre-installed with engine and capability to accept third-party applications for local processing and use by System Integrators for full ITS, Average Speed, Low Emission Zone and other enforcement solutions.
ANPR Features	Image cropping options for Overview image, advanced de-skew and yaw correction, character spacing validation, country of origin matching and direction of travel reporting
ANPR Engine Protocols	Supports JSON, UTMC, BOF 2, web services, NPED, Secure File Exchange, Helix, FTP and ONVIF(m)
Communications	Integrated Wifi & LTE

PHYSICAL SPECIFICATIONS

Operating Voltage	Control box 110 to 230v AC, Cameras, POE 802.af Class 3
Network Connections	10/100 Base-T Physical
Power Consumption	15w Per Camera < 12.95W per camera
Dimensions	155 x 155 x 145mm (camera) excluding connectors, mount and sunshield
Weight	2.5kg excluding mount and sunshield
Enclosure	IP68 hermetically sealed. Hard anodized aluminium with mount options
Temperature / Humidity	-40°C to 60°C operating with relative humidity 0%RH to 100%RH (hermetically sealed)

SERVICE

Customer Service	Friendly, helpful service for product ordering and repair returns
Technical Support	Comprehensive pre and post-sale technical support for full life of the product
Warranty	12 month warranty, extended warranties and factory repair/replacement programmes available
Long Term Supply	Complete support for the life of the product
Training	Comprehensive product training programmes for customers