

IQ:350X

THE IQ:350X IS AVAILABLE WITH A 7-84MM ZOOM

MAV

ANPR TECHNOLOGY FOR
INTELLIGENT TRAFFIC SOLUTIONS

High Speed, 12 x Zoom High Definition Intelligent Camera

Incorporating dual 1080p HD images, motorised zoom, high speed ANPR recognition and maxIRange™ pulsed IR lighting in one small but highly efficient unit, the IQ:350X camera offers fixed-site options for users of all-in-one intelligent ANPR cameras.



Multi Lane

High resolution 1080p images providing excellent recognition



Powerful Pulsed IR

maxIRange™ for true day/night number plate recognition



Integrated ANPR Engine

To provide high accuracy reads with meta data



ECO Power / PoE+

Low power consumption, optionally powered from 802.3at PoE+



JSON Web Services

Simple integration into applications using open interface



FoV

Provides up to 12m / 3 lane coverage from a single camera



Zoom Cameras

Fully controllable truEZoom™ for the perfect field of view



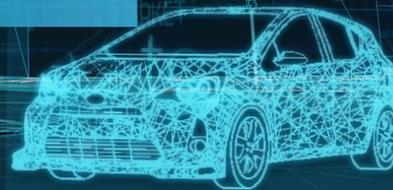
API Control

Full control and live feedback of ANPR, camera and IR settings

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Intelligence to Capture 3 Lanes

The IQ:350X provides recognition for up to 12m lane width for detection of plates and is simple to set up with truEZoom™ for perfect field of view at distances from 15m up to 50m. Setup is performed using the camera's API or from any browser using the IQX's web setup with live video feed.

The high definition global shutter ANPR camera module is synchronized to upgraded infrared (IR) pulsed LEDs to offer superior license plate recognition to match the increased capture width that 1080p resolution offers.

The IQ:350X performs its ANPR recognition within the camera using a custom embedded processor. Real time recognition is performed on raw 1080p HD images.

The IQ:350X offers store and forward buffering to provide up to one million cached reads or immediate data transfer via an API supporting JSON, FTP, UTMCI.2 and Web Services.

The IQ:350X is hermetically sealed to IP68 and can be powered using PoE+ or 10-15V DC to give a single cable install suitable for vehicles or fixed sites where the smaller physical size is appealing.



IQ:350X

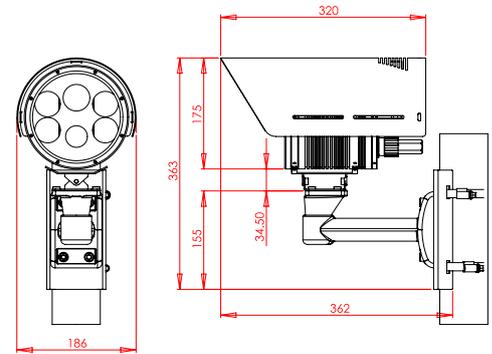
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Technical Data



SPECIFICATIONS

| | |
|-------------------|---|
| Recognition Range | Capture of up to 12m of traffic lanes from 15m to 50m based on 850nm IR on EU retro-reflective plates |
| Sensor | ANPR: 1/18" 2064(H) x 1544(V) 16:9 global shutter, 25 fps Overview: 1/18" 2064(H) x 1544(V) 16:9 rolling global optional 25 fps |
| Motorised Lens | ANPR: motorized zoom (7.00mm-84mm), focus and iris control, Lens equivalent 51.1° to 5.0° Horizontal Field of View Overview: motorized zoom (7.00mm-84mm), focus and auto iris, Lens equivalent 51.1° to 5.0° Horizontal Field of View |
| IR illumination | 4 pulsed LED arrays with lenses (850nm standard. White light, 740nm or 940nm optional) |
| 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 | Dual Core DSP with co-processor and two channel internal parallel video input |
| ANPR Software / Presets | ANPR license and configuration upload via web based configuration pages for simple remote management |
| ANPR Engine Protocol | JSON web services provide full access to overview and plate patch images and metadata as push or pull messages for easy integration into applications (O/S independent) and via web pages |
| ANPR Metadata | Multiple plate tracking with IDs, full availability of plate movement/size data through field of view |
| ANPR Storage | Onboard storage 8GB (optionally 32GB) for up to 1 million buffered reads |
| ANPR Features | Image cropping options for Overview image, advanced de-skew and yaw correction, character spacing validation, country of origin matching, lane determination, direction of travel, plate tracking and geometry |

PHYSICAL SPECIFICATIONS

| | |
|------------------------|---|
| Operating Voltage | PoE+ (803.2at type 2) or 10-15VDC suitable for battery power |
| Network Connections | 10/100 Base-T physical |
| Power Consumption | Nominally 18W |
| Dimensions | 163 x 163 x 145mm (cylindrical) excluding connectors, mount and sunshield |
| Weight | 2.5kg excluding mount and sunshield |
| Enclosure | IP68 hermetically sealed. Hard anodized aluminium with mount options |
| Temperature / Humidity | -30°C to 55°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 |