



ARTIFICIAL
INTELLIGENCE
DEVELOPED
BY QUERCUS



IMPROVED
IMAGE
QUALITY



SIMULTANEOUS
UNLIMITED
COUNTRIES



- WIDE ANGLE
RECOGNITION
- WORLDWIDE USE
- DUAL LAMP

SmartLPR®

The best LPR ever created
Quercus AI Inside!



ALL-IN-ONE LICENSE PLATE RECOGNITION CAMERA

SmartLPR® has been developed entirely with **in-house technology** that covers everything from the electronics to its artificial intelligence algorithms. This comprehensive approach guarantees **optimal reliability** in vehicle license plate recognition, enabling fault-free **ticketless** and **barrierless** solutions.

The camera features every component necessary for license plate recognition, **with no need for additional hardware or external software**. It's also designed to recognize license plates from **any country in the world**, no matter their format.

It features a **user-friendly interface**, facilitating the entire configuration and start-up of the unit in a few quick and simple steps.



Over the years, Quercus has been a pioneer in launching different solutions that have set the pace for the industry:



- **Worldwide use:** a successful international implementation can be completed using a single model.
- **Wide Angle Recognition:** optimal license plate recognition at hard-to-read angles.
- **Dual lamp:** Color and IR reading inside the unit.
- **Motorized lens:** provides exceptional agility and accuracy.
- **HRR:** High Reliability Recognition system that integrates two recognition units per lane, combining the characters and digits of both license plates.
- **IP67 protection rating**



TECHNICAL SPECIFICATIONS

OPERATING CONDITIONS

Maximum lane width	Up to 5.5 metres
Operability	24 hours a day, 365 days a year
Operation status	External colour LED indicator
Working temperature	From -40°C to +50°C

HOUSING

Models	Camera housing and cabinet housing
Dimensions (H x W x D)	Camera housing: 148 x 148 x 225 mm Cabinet housing: 622 x 203 x 202 mm
Material and colour	Camera housing: white and dark gray rugged aluminum Cabinet housing: white and dark gray zinc plated Iron
Protection	Camera housing: IP67 Cabinet housing: IP65*

CAMERA

Image size	1280 x 720 px, 960 x 540 px
Camera	Black & White (IR) & Colour
Lighting	Infrared 850 nm & White 5700K-Cool White
Motorized zoom lens	IR-cut filter, iris, zoom and focus

POWER

Consumption	Idle Operation Maximum: 4W 10W 20W**
Power input	PoE+ (IEEE 802.3at) / 12-24V DC 100-240 V AC (47-63Hz)

CONNECTIVITY

Communication ports	Ethernet 10/100/1000 Mbps
Inputs / Outputs	2 inputs 1 output
Connectors	Waterproof Plug & Play circular connectors

CERTIFICATIONS

CE & UKCA Directives	2001/95/CE, 2014/30/UE, 2014/35/UE, 2011/65/UE, 2012/19/UE
FCC	Class A digital devices / Title: 47 CFR Parts 2 and 15
Standards	UNE-EN 55032:2016, UNE-EN 55035:2017, IEC 61000-3-2:2014, IEC 61000-3-3:2013, IEC 61000-4-2:2009, IEC 61000-4-3:2020, IEC 61000-4-4:2012, IEC 61000-4-5:2017, IEC 61000-4-6:2013, IEC 61000-4-11:2020, IEC 62368-1:2020, IEC 62368-3:2017, UNE-EN 60950-22:2017, IEC 60068-2-1:2007, IEC 60068-2-2:2008, IEC 60068-2-14:2011, IEC 62471:2009

* Functional zone IP65 / Whole cabinet IP56 - Type 3R.

** For the electrical installations of the units we recommend you to calculate a consumption above the values indicated in the technical data sheets as voltage peaks might exceed these values.

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