



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. It now features one of its most innovative functionalities, **vehicle classification**: car, van, truck, bicycle and motorcycle.

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.

Quercus Technologies reserves the right to make changes without previous notice. Images shown are indicative only and may differ from actual products or change slightly depending on the product versions. No part of this publication may be reproduced in any form or by any means without the written permission of Quercus Technologies.