

# Geolux LPRCam Ultra

Free Flow ALPR Camera



## PRODUCT DESCRIPTION

The ALPR camera can capture vehicle and recognize vehicle number plate of various countries and regions. Camera is designed for an ALPR (Automatic License Plate Recognition) for many different applications: urban road, rural road, national road, border control, toll enforcement... Processor engine and OCR software integrated in camera enable automatic real time recognition of vehicle license plates with automatic trigger upon vehicle passing control point in a way of taking an image of vehicle and recognizing license plates, without additional sensors and loops. Camera supports capture and recognition of vehicles both approaching and leaving. ALPR camera supports many security features: user authentication management (three level), user and password authorization, IP address filtering and HTTPS.

## DETAILED SPECIFICATION

### GENERAL

Camera type:	ALPR camera
Processing:	On board engine with integrated OCR software, designed for automatic license plate recognition (in camera processing)
Warranty:	1 year

### CAMERA

Image Sensor:	1/1.8" Progressive Scan CMOS
Minimal Illumination:	Color: 0.002 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Speed:	1 s to 1/100,000 s
Lens:	
Varifocal:	11 mm to 40 mm, horizontal field of view: 35.8° to 11.2°
Day & Night mode:	Support, IR cut filter with auto switch
WDR:	120dB
Video Compression Standard:	H.264/MPEG4/MJPEG
Video Bit Rate:	32Kbps to 16 Mbps

*Geolux is a company based in the European Union that develops and manufactures comprehensive electronic devices for use in traffic, security and hydrology applications.*



## IMAGE PARAMETERS

Maximal Resolution:	1920 x 1080
Maximum Frame Rate:	50Hz: 50fps (1920 × 1080)
Image Enhancement:	Back Light Compensation (BLC)/ Dynamic Noise Reduction (DNR)/ Defog/ Electronic Image Stabilization (EIS)
Image Setting:	Rotate mode, Saturation, Brightness, Contrast, Sharpness

## ALPR PROCESSING

Accuracy:	Capture Rate > 99%, Recognition rate > 95%
Vehicle Speed:	Support vehicle speed under 160km/h
Direction:	Support capture and recognition of vehicles both approaching and leaving
Line number:	Up to 2 lines supported

## INTERFACE

Communication Interface:	1x RJ45 10Mbps/100Mbps Ethernet port
Video Output:	1Vp-p composite output (75 Ω/BNC)
Alarm IO:	1x input, 1x output
Serial Port:	1x RS -485 ports, 1x RS-232 port
Network Storage:	Built-in microSD/SDHC/SDXC card slot,
Protocols:	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, SMTP, SNMP, IGMP, 802.1X, QoS, Ipv6
Standard:	ONVIF (Profile S, Profile G), ISAPI

## ELECTRICAL & MECHANICAL

Power Supply:	24 VAC ± 10%, terminal block
Illuminator:	Integrated IR LED illuminator, 850 nm IR wavelength, up to 120 m IR range
Heater:	Support
Protection (IP rating):	IP66
Operating temperature:	-30°C to 60°C

## CERTIFICATIONS

EN55032:2015  
EN50130-4:2011+A1:2014  
EN61000-3-2:2014  
EN61000-3-3:2013