CARRIDA Dragon+ Quick Installation Guide

Contact: support@carrida-technologies.com

Introduction

This manual provides a quick introduction on how to install and setup the CARRIDA Edge Camera. More detailed information can be found on the CARRIDA Website **www.carrida-technologies.com/doc**. See also the links at the end of this document.

Mounting the camera

The camera should be mounted at least 2 meters from the closest position where the vehicle is expected. Smaller distances can work, but you may have to adjust settings in the camera.

The CARRIDA Edge device is equipped with a 8 mm lens by default, the resulting horizontal field of view is suitable for most access control applications. The typical operating range of the Edge camera is 2-8 m, you can adjust settings on the camera to reach beyond these limits. The following table shows the horizontal field of view for different distances to the camera.

Distance	8 mm Lens	12 mm Lens	16 mm Lens
2 m	1.25 m		
4 m	2.50 m	1.67 m	1.25 m
6 m	3.75 m	2.50 m	1.88 m
8 m	5.00 m	3.34 m	2.50 m
10 m		4.17 m	3.13 m
12 m		5.00 m	3.75 m
14 m		5.84 m	4.38 m
16 m		6.67 m	5.00 m
18 m			5.63 m
20 m			6.25 m

It is important to consider both the mounting height and viewing angle of the camera. If the camera is placed too high, or the horizontal/vertical angle is too big, the recognition accuracy may be reduced.

We recommend to consider the following guidelines:

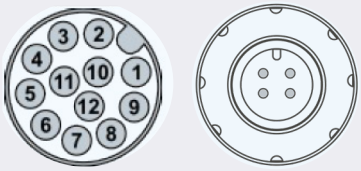
The camera should be mounted at least 2 meters from the closest position of a license plate.

The viewing angle from the camera to the license plate should not exceed 40° in any direction.

Plates can be rotated with an angle as much as 20° clockwise or counterclockwise.

Connecting the camera

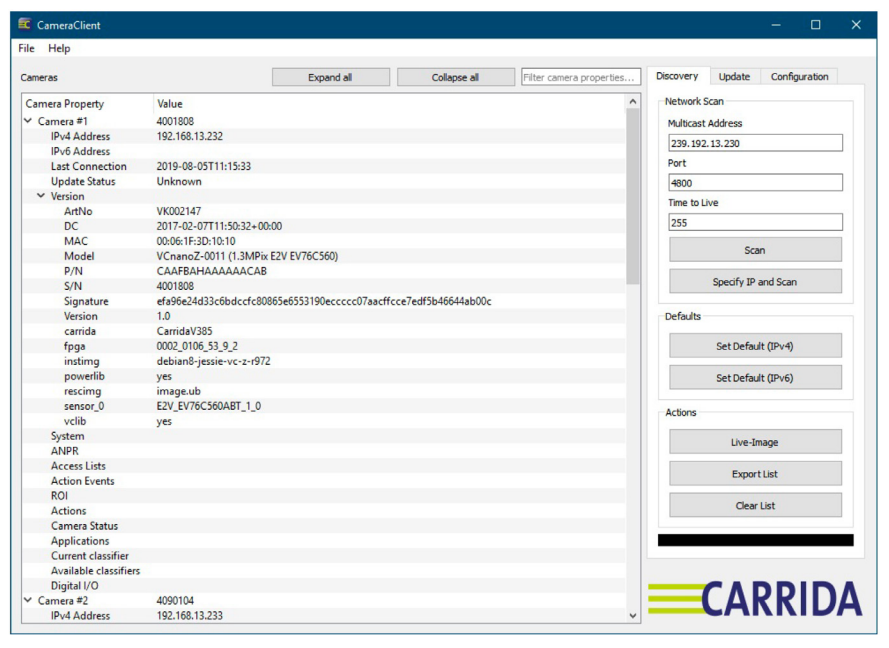
After mounting the camera, attach the power and the LAN cable using the connectors J0 and J1 on the camera.

Camera Socket Rear View	Pin	Signal	Level	Cable Standard Color
	1	Main Power Supply	+24 V/7.5W	brown
	2	Common Ground	GND	blue

The camera is configured to use DHCP as factory default. Your local network needs to provide a DHCP server so that the camera will be assigned an IP address.

After powering up the camera, the simplest way to detect it in your local network is to start the CARRIDA Camera Client Tool for Windows. You can download it from here:

https://carrida-technologies.com/download/tools/setup-cameraclient-1.0.1.zip



If you are running Linux, or you do not want to download the Camera Client Tool, you can scan your local network directly. For example on Mac OS you can use the free **LanScan** tool, or you can use the **arp** command line tool on Mac Os, Linux, and Windows like **arp -a** to detect all devices in your network.

All cameras are created by the manufacturer **Vision Components** and they have assigned a MAC address which starts with **00:6c:1f:.**

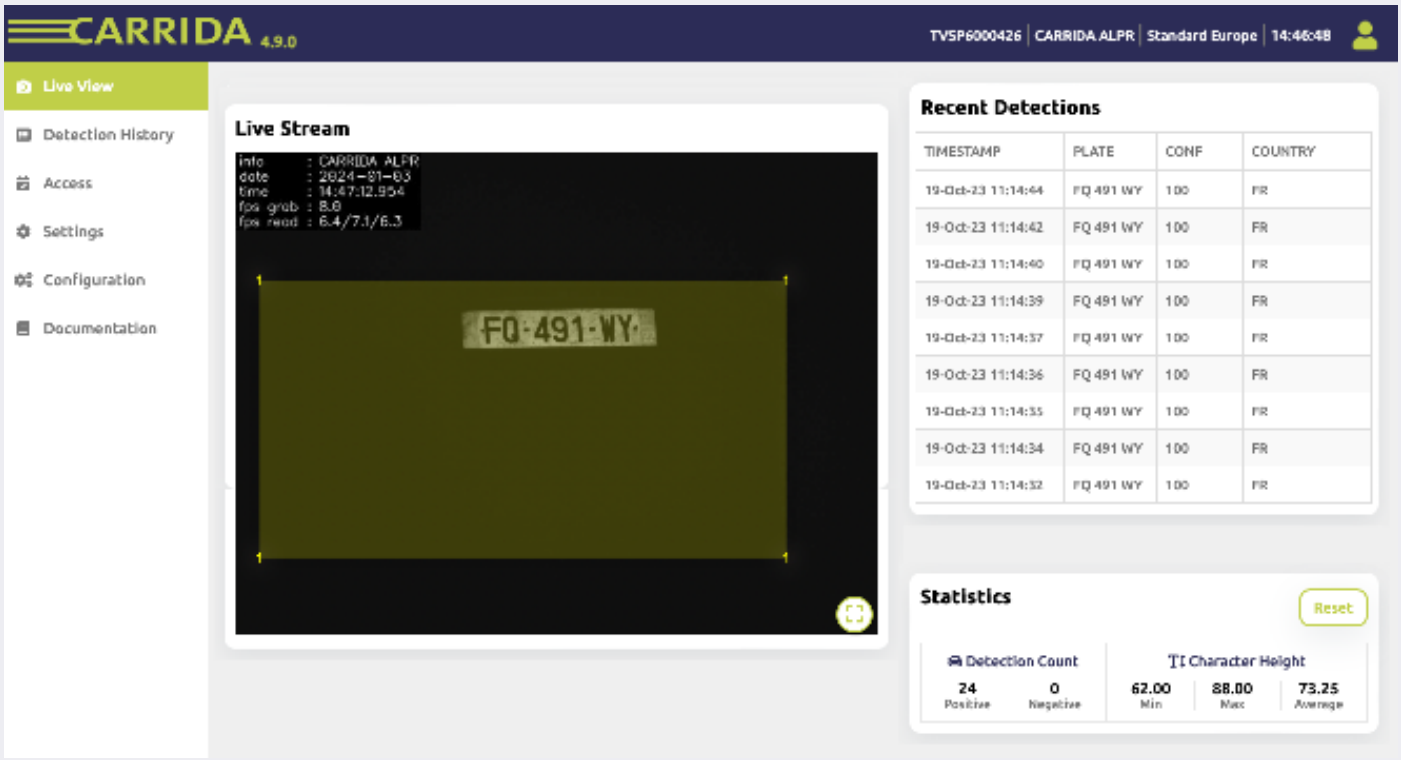
If your camera uses a fixed IP address which is not compatible with your local network, you can temporarily change the network settings on your PC using the Linux, MacOS, or Windows network settings system controls.

Setting up the camera

Once you have detected the camera‘s IP address, you can start to set it up properly. Open a browser and connect to the camera by typing its IP address. Preferrably use adminstrator credentials the first time you log into the camera. The access credentials will be sent to you with your camera. If you need the credentials again, please contact the CARRIDA team at info@carrida-technologies.com.

Note
We strongly recommend to change the admin password in this first session!

The default factory reset IP address of the camera is 192.168.0.11.



Find out more

The CARRIDA Edge User manual describes in detail how to setup the camera.
https://www.carrida-technologies.com/doc/CarridaCamGUI/CarridaCam.html

CARRIDA Camera Client Tool for Windows
https://carrida-technologies.com/download/tools/setup-cameraclient-l.0.0.zip