

# **CARRIDA Plate-i Dome Quickstart Guide**

Contact:support@carrida-technologies.comCopyright:2022-2023 Carrida Technologies GmbH, Ettlingen, Germany

# Introduction

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

**\*Note:** When powering up the camera, it can take up to 3 minutes until all settings are loaded.

# Mounting the camera

The camera should be mounted at least 1 meter from the closest position where the vehicle is expected. A distance <1 m may work, but you will have to adjust camera settings in this case.

The Plate-i Dome lens is chosen so that the resulting horizontal field of view is suitable for most ALPR applications. The typical operating range of the Plate-i camera is 1,5-6 m, the following table shows the horizontal field of view for different distances to the camera.





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 1.5 meter 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.



#### Adjusting the camera angle

**1.** Use a Philips screwdriver to remove the Top cover of the camera, and lift the cover to open it.



**2.** Loosen the Philips head screws, adjust the camera angle, then retighten the screws. Finally, attach the top cover.



#### **Connecting the camera**

To power up the camera, connect it to a PoE (Power over Ethernet) port on a local switch or router. Alternatively you can power the camera with a 12V DC power supply using the attached cable with the cinch connector.

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-1.0.0.zip

ameras		Expand all	Collapse all	Filter camera properties	Discovery	Update	Configuration	Log
Camera	IP-Address	Value			Network Scan			
Camera #1	192.168.13.203	N/A - Linux slr-desktop 4.9.253-tegra #1 SMP PREEMPT Mon Jul 26 12:13:06 PDT 2021 aarch64 aarch64 aarch64 GNU/Linux				Scan		
Camera #2	192.168.13.208	N/A - Linux raspberrypi 5.10.103-v7I+ #1529 SMP Tue Mar 8 12:24:00 GMT 2022 armv7I GNU/Linux						
Camera #3	192.168.13.213	4011593 - Linux VC-Z 4.14.295-vc-z #1 SMP PREEMPT Wed Oct 12 16:11:40 CEST 2022 armv7l GNU/Linux						
Camera #4	192.168.13.11	N/A - Linux EDGECAMERA 4.19.91 #1 SMP PREEMPT Fri Oct 7 13:33:17 CST 2022 armv7l GNU/Linux			Specify IP and Scan			
Camera #5	192.168.13.215	4027637 - Linux VC-Z 4.14.303-vc-z #1 SMP PREEMPT Mon Jan 23 18:48:27 CET 2023 armv7l GNU/Linux				Multicast Address		
Camera #6	192.168.13.201	/ N/A - Linux linaro-dev 4.14.96-g51fe8578cf66 #1 SMP PREEMPT Tue Aug 3 11:05:37 CEST 2021 aarch64 GNU/Linux						
> Camera #7	192.168.13.30	.30 Software library incompatibility found			239.192.13.230			
					Port			
	Plate-i camera				4800			
	Flate-I Califield							

Plate-i will show up in the list of detected cameras as ,Linux EDGECAMERA', see the example shown in the screenshot above.

If you are running Linux, or you do not want to download and use the Camera Client Tool, you can scan your local network directly. For example on Mac OS, you can use the free LanScan software, 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.



# Setting up the camera

Once you have detected the camera's IP address, you can begin 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:

user name: **admin** Password: **secret** 



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 Plate-i documentation describes in detail how to setup the camera. https://www.carrida-technologies.com/docu/plate-i

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