

Connecting a Arvoo ANPR camera to Net2

Overview

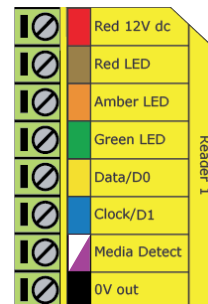
Arvoo cameras are deployed worldwide for parking and access control solutions. Over the past decades, Arvoo has developed its ANPR cameras into high-quality AI cameras that can do much more than just recognize license plates. The artificial intelligence integrated into the software recognizes objects, colors, makes, and models. The cameras measure speeds, recognize driving direction, and analyze vehicle types. As a result, Arvoo ANPR cameras can be used for many applications, including the Net2 access control system.



The camera has two cables; one cable is for the network and can be connected to a POE+ converter or POE+ switch. On the second cable a fixed 12-24VDC power supply can be connected in case the network does not have a POE+ switch or converter. The Arvoo Wiegand converter can also be connected to this cable. The other side of the converter can then be connected to a reader port of a Net2Plus door controller.

To make the camera work with Net2, an Arvoo Wiegand converter is required. The converter needs to be connected via Wiegand to the ACU using the wiring diagram below.

Wiegand converter OUT	ACU terminal
PWR	+12V
-	-
-	-
-	-
Data D0	Data D0
Data D1	Data D1
-	-
GND	0V



Ensure any unused wires are safely terminated.

The Arvoo Wiegand converter can be connected to the +12V and 0V terminals of the reader output of the Net2 controller.

The Arvoo camera itself needs to be powered by a separate 12-24V DC power supply or Power over Ethernet + (POE+ 802.3at). It cannot be connected to the reader output terminals of the Net2 controller due to its high power consumption.

The ANPR integration in Net2 currently utilizes ASCII with a limitation of 11 characters. Some regions such as the US, Germany, & Benelux utilize special characters such as dashes & umlauts that are not currently supported

In Net2 you need to set the following settings on the door controller:
The reader type in Net2 should be set to: ANPR 26 bit Wiegand reader.
The token data format in Net2 should be set to : ANPR 26 bit Wiegand.

For correct placement and installation of the Arvoo ANPR camera and Wiegand converter please follow the installation guide.

