WidePix POE v2 Quick Start Guide

Online version: https://wiki.advacam.cz/wiki/WidePix_POE_v2_Quick_Start_Guide

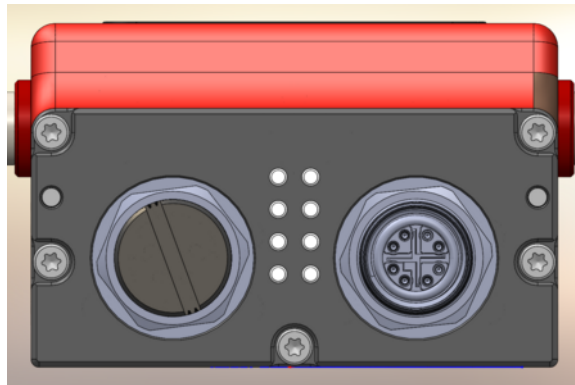# Contents

Prerequisities

- Connect power cable (not needed when using POE)
- Connect ethernet cable
- PC with Pixet
- At least 1Gbit/s ethernet is required
- Magnet

Description of LED indicators

4 LEDs Left side

L1. Device status

- Green blinking 2s - device ready, OK
- Orange still - just init (about 1s)
- Red blinking - overtemperature (> 55˚C) warning
- Red still - fatal error, power cycle the device. If this LED is still red, contact Advacam technical support.

L2. Error code LED

- Green blinking according to the error (it does not prevent functionality of the device)
- In this case, Technical Support will ask the customer to make 10s video

L3. Reserved for internal purpose

- Violet still - the device restarted itself (it is not a problem at the device starting, but if this occurs during measurement, it will probably stop working)

L4. Power supply for the row segment

- Orange still - power on (when pixet is running)
- The LED stays on even when Pixet crashes!

4 LEDs Right side

R1. FPGA

- Orange still - shutter is open
- Orange changes to Red during init
- It is used also during IP reset procedure (described below)

R2. Device power

- Blue still - power on
- Blue blinks shortly during init
- Blue still and green blinking (result is blue-turquoise) - communication with Pixet during FW revert procedure (described below)

R3+R4. Eth link (R3 green, R4 red)

- None - no connection
- Only green blinking - 1 Gbit/s, ok
- Only red blinking - lower speed
- Both red and green blinking - lower speed
- Both red and green blinking shortly during init
- Both red and green still - connected to switch, but without access to network

Network settings

IP address change

Video of IP reset

- Connect the device to power.
- After the device init (R1 is Orange, changes to Red and turns off), attach the magnet to magnetic sensor. When the magnetic field is recognized, R1 turns Blue.
- When the change mode is enabled, R1 changes to one of the colors indicating the actual settings (listed below).
- Use magnet for select the preferred settings. There are 3 possibilities of the R1 color for different IP configurations:
  - Red = Auto IP
  - Green = DHCP
  - Yellow = Static IP (192.168.1.100)
- Wait for several seconds. R1 blinks several times and turns off. Now the setting is saved.