Migration from water-meter „old“ to water-meter “AI-on-the-edge-device”

There are only some few steps necessary to migrate your old system to the new one.

Please follow the following steps:

* Follow the Installation Guide to flash the ESP32CAM and prepare a SD-Card with the content of the master
* Save the following files from the old Docker system on your PC:
  + Reference Points 1-3
  + Config.ini
  + Prevalue.ini
* Copy Reference Points 1-3 onto the new water-meter system (Directory /config)
* Copy Prevalue.ini to the new system (Directory /config)
* Please note only two Reference Points are supported in the new system.
* Open new config.ini File:
  + Insert from the old Config.ini File [alignment] and [alignment.ref0] and [alignment.ref1] Section the two Ref x and y position and the initial\_rotation\_angle= into the new Config.ini File, e.g.:

[alignment.ref0]

image=./config/RB01\_65x65.jpg

pos\_x=28

pos\_y=63

[alignment.ref1]

image=./config/RB02\_50x35.jpg

pos\_x=497

pos\_y=127

[alignment]

initial\_rotation\_angle=180

to

[Alignment]

InitalRotate=180

/config/RB01\_65x65.jpg 28, 63

/config/RB02\_50x35.jpg 497, 127

SearchFieldX = 20

SearchFieldY = 20

* + Insert the old Digit Values into the new Config.ini File, e.g.:

[Digital\_Digit.ziffer1]

pos\_x=265

pos\_y=117

dx=28

dy=51

[Digital\_Digit.ziffer2]

pos\_x=310

pos\_y=117

dx=28

dy=51

[Digital\_Digit.ziffer3]

pos\_x=354

pos\_y=117

dx=28

dy=51

[Digital\_Digit.ziffer4]

pos\_x=399

pos\_y=117

dx=28

dy=51

[Digital\_Digit.ziffer5]

pos\_x=445

pos\_y=115

dx=28

dy=51

[Digits]

;Model=/config/dig0622.tfl

Model=/config/dig0630s3.tflite

;LogImageLocation = /log/digit

ModelInputSize 20, 32

digit1, 265, 117, 28, 51

digit2, 310, 117, 28, 51

digit3, 354, 117, 28, 51

digit4, 399, 117, 28, 51

digit5, 445, 115, 28, 51

Make sure that you have the same quality and size settings as in your old Config.ini e.g.

URLImageSource=http://192.168.10.130/capture\_with\_flashlight?**quality=5**&size=**VGA**

Default was Quality=5 and VGA

ImageQuality = 5

ImageSize = VGA

* + Repeat the same for the analog section
  + Insert your SSID and Password into the new wlan.ini File
  + Compare and edit [ConsistencyCheck] Section with new [PostProcessing] Section
  + Save new config.ini File in the new System. Restart the system.