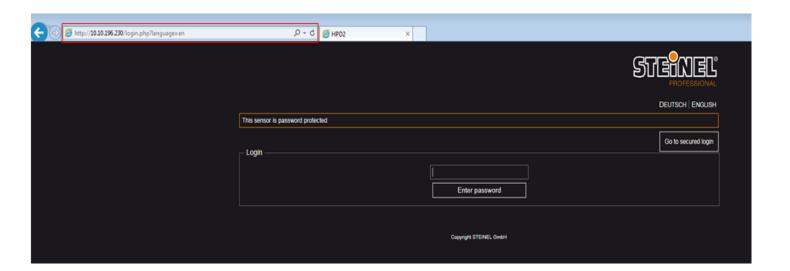


Quick installation HPD2

1. Wiring

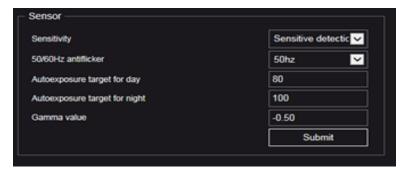
 Connect the Lan cable between the port of HPD2 and the POE switch (network)

2. Login



- Enter the IP adress of the HPD 2 192.168.1.200 (it's shown in the manual)
- The password for the login is "adm123"

3. Settings



Sensitivity

Opportunity to change the sensitivity of the detection of people:

- Robust detection (safety)
- Sensitive detection (fast)
- Balanced detection



50/60Hz antiflicker

Change the frequency to the standard fequency of the power supply in the country (the camera sensor gets problems because of the flickering of the luminairs when you don't choose the right frequency)

Autoexposure target for day

Tthis value defines the target for the average light value of the picture provided by the camera chip which is used by the autoexposure algorithm during the day scenes (the IR LEDs off). The light value is in range 0 to 255.

Autoexposure target for night

This value defines the target for the average light value of the picture provided by the camera chip which is used by the autoexposure algorithm during the night scenes (the IR LEDs on). The light value is in range 0 to 255.

Gamma value

The value drives the gamma correction applied to the picture provided by the camera chip. Values below 0 provides higher amplification for the dark pixels than for the light pixels.

*Gamma value and autoexposure target must be only changed when there are problems with contrast or brightness

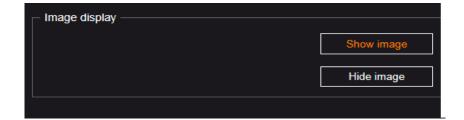


Image display

- Show image allows showing image in Home Detail.
- Hide image disables showing

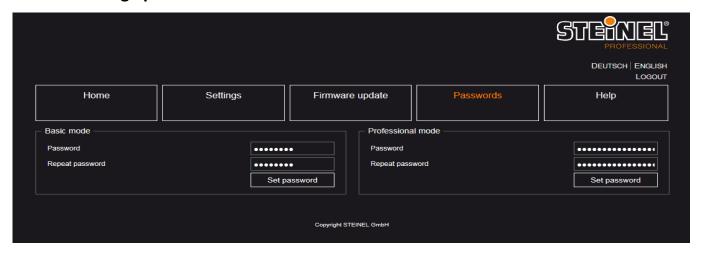
4. Firmware Update



When there is a new firmware available, search for the new file and press "Update" button

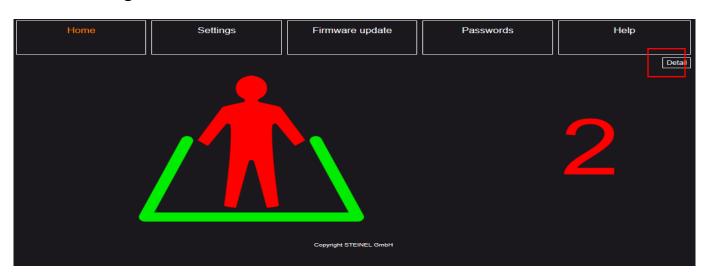


5. Change password



Change the admin password directly after the first login to your own

6. Zoning



Press in the Home menu the "Detail" button

- Define detection zones (max. 5) and non detection zones (max. 3)
- Define windows and mirrors as non detection zones





7. Data Access

via

http://hpd2-address/api/sensorstatus.php & Admin password

Output in json-format:

```
{"AppVersion": "3.2.3", "FpgaVersion": "v300", "KnxSapNumber": "0", "KnxVersion": "0", "KnxAddr": "", "GitRevision": "d45734c2", "ModelName": "15_2xroute_fix26", "FrameProcessingTimeMs": 1179, "AverageFps5": 0.850314, "AverageFps50": 0.855873, "RunningTimeHHMMSS": "672:55:58", "UptimeHHMMSS": "672:56:35", "IrLedOn": 0, "DetectedPersons": 0, "PersonPresence": 0, "DetectedPersonsZone": [0, 0, 0, 0, 0], "PersonPresenceZone": [0, 0, 0, 0, 0], "DetectionZonesPresent": 0, "GlobalIlluminanceLux": 39.0, "LuxZone": [0.0, 0.0, 0.0, 0.0, 0.0], "GlobalLightValue": 72, "ArmsensorCpuUsage": "20", "WebServerCpuUsage": "2", "Temperature": "27.745661", "Humidity": "25.286158", "KnxDetected": "0", "KnxProgramMode": "0", "KnxLedState": "0", "final": "OK" }
```



7.1 Comands in json-file

| "KnxSapNumber": "0" "KnxSapNumber": "0" "KnxAddr": "" "KnxAddr": "" "KnxAddr": "" "ModelName": "15_2xroute_fix26" "AverageFps5": 0.850314 "AverageFps5": 0.850314 "AverageFps5": 0.850314 "AverageFps50": 0.855873 "RunningTimeHHMMSS": "672:55:58" "IrtedOn": 0 "DetectedPersonsZone": [0, 0, 0, 0, 0] "PersonPresenceZone": [0, 0, 0, 0, 0] "PersonPresenceZone": [0, 0, 0, 0, 0] "DetectionZonesPresent": 0 "GloballilluminanceLux": 39.0 "GloballightValue": 72 "ArmsensorCpuUsage": "20" "WebServerCpuUsage": "20" "MebServerCpuUsage": "20" "KnxDetected": "0" "KnxPedstate": "0" "Fisal": ""PK" "KnxPedstate": "0" "Fisal": "PK" "KnxPedstate": "0" "KnxPedstate": "0" "KnxPedstate": "0" "SaP number of Knx firmware Knx firmware version Identificator of the version in git versioning system Identificator of the version in git versioning syste | | |
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| "IrLedOn": 0 "DetectedPersons": 0 "DetectedPersons": 0 "DetectedPersonsZone": [0, 0, 0, 0, 0] "PersonPresence": [0, 0, 0, 0, 0] "PersonPresenceZone": [0, 0, 0, 0, 0] "DetectedPersonsZone": [0, 0, 0, 0, 0] "PersonPresenceZone": [0, 0, 0, 0, 0] "DetectionZonesPresent": 0 "GlobalIlluminanceLux": 39.0 "GlobalIlluminanceLux": 39.0 "GlobalLightValue": 72 "ArmsensorCpuUsage": "20" "WebServerCpuUsage": "20" "WebServerCpuUsage": "2" "Temperature": "27.745661" "Humidity": "25.286158" "Humidity": "25.286158" "KnxPogramMode": "0" "KnxLedState": "0" "KnxLedState": "0" state of IR leds number of detected persons 1 if DetectedPersons > 0, else 0 number of detected persons 1 if DetectedPersons > 0, else 0 number of detected persons 1 if DetectedPersons > 0, else 0 number of detected persons 1 if DetectedPersons > 0, else 0 number of detected persons 1 if DetectedPersons > 0, else 0 number of detected persons 1 if DetectedPersons > 0, else 0 It if DetectedPersons > 0, else 0 It if DetectedPersons > 0, else 0 It if any zone is defined, else 0 It if any zone is defined, else 0 It if any zone is defined, else 0 It if knx cpu usage by main application The person provide is a person provid | "RunningTimeHHMMSS": "672:55:58" | how long is the application running |
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| "WebServerCpuUsage": "2" "Temperature": "27.745661" "Humidity": "25.286158" "KnxDetected": "0" "KnxProgramMode": "0" "KnxProgramMode": "0" "KnxLedState": "0" | "GlobalLightValue": 72 | average brighntess of picture (0-255) |
| "Temperature": "27.745661" measured temperature (°C) "Humidity": "25.286158" Humidity (%) "KnxDetected": "0" 1 if KNX cpu was detected, else 0 "KnxProgramMode": "0" 1 if KNX is in programming mode, else 0 "KnxLedState": "0" KNX request for LED blinking, there are sever states with various periods "final": "OK" this is always at the end of our JSON message | "ArmsensorCpuUsage": "20" | cpu usage by main application |
| "KnxDetected": "0" "KnxProgramMode": "0" "KnxProgramMode": "0" "KnxLedState": "0" | "WebServerCpuUsage": "2" | cpu usage by webserver |
| "KnxProgramMode": "0" 1 if KNX cpu was detected, else 0 "KnxProgramMode": "0" 1 if KNX is in programming mode, else 0 KNX request for LED blinking, there are sever states with various periods "final": "OK" this is always at the end of our JSON message | "Temperature": "27.745661" | measured temperature (°C) |
| "KnxProgramMode": "0" 1 if KNX is in programming mode, else 0 KNX request for LED blinking, there are sever states with various periods this is always at the end of our JSON message | "Humidity": "25.286158" | Humidity (%) |
| "KnxLedState": "0" KNX request for LED blinking, there are sever states with various periods this is always at the end of our JSON message | "KnxDetected": "0" | 1 if KNX cpu was detected, else 0 |
| states with various periods "final": "OK" this is always at the end of our JSON message | "KnxProgramMode": "0" | 1 if KNX is in programming mode, else 0 |
| יידוח בוייי יין ואיי | "KnxLedState": "0" | KNX request for LED blinking, there are several states with various periods |
| needed for parsing | "final": "OK" | this is always at the end of our JSON message, needed for parsing |