

sMart 6.3 Sensor Integrations

Introduction

Netavis sMart Data Warehouse provides a variety of sensor integrations. In order for the sensor data to be processed it needs to be uploaded to the corresponding upload directory under %DWH_HOME%/import and the file format needs to match the requirements outlined in the table below:

Sensor	Tested version(s)	File format	Upload directory	Data types
CarReader	3.6.0, 3.6.8	CSV	/carreader	Cars
Generic sMart Age & Gender	-	CSV	/generic-age/pending	Age & Gender
Generic sMart Frequency	-	CSV	/generic/pending	Frequency
Generic sMart NPR	-	CSV	/generic-npr/pending	Cars
Generic sMart Turnover	-	CSV	/generic-turnover/pending	Turnover
Generic sMart VMS	-	CSV	/generic-vms/pending	VMS
Generic sMart Wireless	-	CSV	/generic-wireless/pending	Dwell Time, Frequency
Hella 3D (APS-90, APS-180)	1.6.0.85	CSV	/generic/hellaAPS180	Frequency
Libelium Meshlium (Bluetooth, Infrared, WLAN)	-	JSON	/wireless/meshlium/<name_of_device>/%CODE_%Y%m%d%H%M.json (e.g. 431619AT820001_201610131427.json)	Dwell Time, Frequency, Returning Customers, Unique Visitors
Netavis Observer: Statistics	4.6 – 5.0	CSV	/observer/pending	Age & Gender, Frequency
Netavis Observer: Events	4.7 – 5.0	JSON	/observer/events	Age & Gender, Cars, Face Reports (Observer 5.0+), Frequency, VMS (Observer 4.8+)
Netavis Observer: Heat Maps	4.7 – 5.0	CSV	/observer/heatmaps	Heat Map
Novatec	-	CSV	/generic/novatec	Frequency
PECO (Bluetooth, Infrared, WLAN)	-	TXT, CSV, JSON	/wireless/peco/<hostname>/<sensor_type>/<sensor_number> (e.g. /wireless/peco/asterix55-v2j/peco-wlan/1)	Dwell Time, Frequency, Returning Customers, Unique Visitors

Publiccount	-	TXT	/generic/publiccount	Frequency
Telsec	-	CSV	/generic/telsec	Frequency
Vivotek 3D (SC8131)	0102a	JSON	/generic/vivotekSC8131	Frequency
Xovis 3D Sensors	SW: 3.3.1 (88) / FW: 3160	JSON	/generic/xovis3D	Frequency

Sensors provide different data types which need to be added to sensor groups. These sensor groups can then be associated to locations as per the table below:

Data type	Age & Gender	Cars	Dwell Time	Frequency	Returning Customers	Unique Visitors	VMS
Frequency	x	x	-	x	-	-	-
Outgoing Frequency	x	x	-	x	-	-	-
Sights	x	x	-	x	-	-	-
Age & Gender	x	-	-	-	-	-	-
Unique Visitors	-	x	-	-	-	x	-
Cars	-	x	x	-	-	-	-
Returning Customers	-	x	-	-	x	-	-
Dwell Time	-	x	x	-	-	-	-
VMS	-	-	-	-	-	-	x

Additional resources

- Netavis sMart Data Warehouse Installation Guide
- Netavis sMart Data Warehouse Configuration Guide (German)
- Netavis sMart Data Warehouse Generic File Import Format
- Netavis sMart Data Warehouse Basic Configuration Cheat Sheet