

gesture-driver Profile Reference

Device & Sensor Profile Documentation

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1. Introduction

This chapter documents the device & sensor profiles and properties defined in the 'gesture-driver'.

The following documentation provides a detailed reference about the hierarchical structure, the optional and mandatory properties and the data types of the defined device & sensor profiles.

Each 'PropertyProfile' element represents a device / sensor type. A device / sensor with a profile must feature all mandatory properties of that profile and can feature its optional properties.

Each 'PropertyType' defines the data type and further meta-data of properties of this given type.

There are four general types of properties: boolean, integer, double and text properties. There is also the enumeration text property type, narrowing a text property type with a set of allowed text values.

Both PropertyProfiles and PropertyTypes are uniquely identified by a 'namespaceURI' and a 'name'.

The 'namespaceURI' points to the origin of the element (e.g. 'http://iolite.de'). 'name' is the name of the property profile / type, unique within its namespace.

Each IOLITE Driver can define its own property profiles and types, if the devices / sensor reported by the driver cannot be represented with the basic types provided by IOLITE.

1.1. gesture-driver Profiles List

The 'gesture-driver' defines the following profiles:

- **GestureSensor** - Gesture recognition sensor

1.2. gesture-driver Property Types List

The 'gesture-driver' defines the following property types:

- **recognizedGesture** - Currently recognized gesture

2. gesture-driver Profiles

2.1. GestureSensor

Gesture recognition sensor

Meta Data Table

Key	Value
name	GestureSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#GestureSensor
friendlyName	Gesture Sensor
vendor	IOLITE GmbH

Mandatory properties:

- **recognizedGesture** - Currently recognized gesture

3. gesture-driver Property Types

3.1. recognizedGesture

Key	Value
name	recognizedGesture
namespaceURI	http://iolite.de
identifier	http://iolite.de#recognizedGesture
friendlyName	Recognized Gesture
vendor	IOLITE GmbH
writable	no
description	Currently recognized gesture
data type	string
