

MARSS SAM Nidar server

Device Driver Specification. DYNAMICALLY GENERATED; DO NOT MODIFY.

15/11/2016 11:08:28



A Whole World of Integration



Table of Contents

1	Document Versions.....	4
2	Referenced Documents.....	5
3	Manufacturer	6
4	IPSecurityCenter Versions.....	7
5	Operating Systems	8
5.1	Client Side Functionality	8
5.2	Server Side Functionality	8
6	Models / Firmware Versions	9
	Nidar SDK	9
7	Hardware Configurations.....	10
8	Driver Package	11
9	Driver Features.....	13
9.1	Nidar server.....	13
9.1.1	Device Connection and Online States	13
	DC1.0 Device Online Status.....	13
	DC2.0 Authentication.....	13
9.1.2	Video	14
9.1.3	Properties.....	15
	Track Events	15
9.1.4	Methods.....	16
9.1.5	Events.....	17
9.2	Nidar Sensor.....	18
9.2.1	Device Connection and Online States	18
	DC1.0 Device Online Status.....	18
	DC2.0 Authentication.....	18
9.2.2	Video	19
9.2.3	Properties.....	20
	Id	20
9.2.4	Methods.....	21
9.2.5	Events.....	22
	9.2.5.1 Track Update	22
	9.2.5.2 Event Interfaces	22
	9.2.5.3 Alarm Warning Change	22

9.2.5.4	Event Interfaces	23
10	Installation	24
10.1	Prerequisites	24
10.2	Driver Installation.....	25
10.2.1	Device Configuration.....	26
10.2.2	Driver Compatibility	27

1 Document Versions

Version	Date	Name	Change
1.0	2016-11-15	AB	Document Created.
1.1	2017-01-26	ME	Updated driver name as per driver name change to 'CNL'

2 Referenced Documents

Document	Version	Description
Driver Project Requirements (DDK-PR)	1.0	The MARSS SAM Nidar server driver must conform to all the requirements detailed in this document.
Driver Connection and Online States Requirements (DDK-DC)	1.0	The MARSS SAM Nidar server driver must conform to all requirements in this document detailed in the section: Device Connection and Online States

3 Manufacturer

Name MARSS SAM



Website <http://marss.com>

Description MARSS develops innovative marine and land-based solutions for asset protection and saving life using integrated sensor surveillance and open-source intelligence.

4 IPSecurityCenter Versions

The driver must be compatible with the following IPSecurityCenter versions:

IPSecurityCenter Version	Supported
4.9	<input checked="" type="checkbox"/>

5 Operating Systems

5.1 Client Side Functionality

Operating Systems	Supported
-------------------	-----------

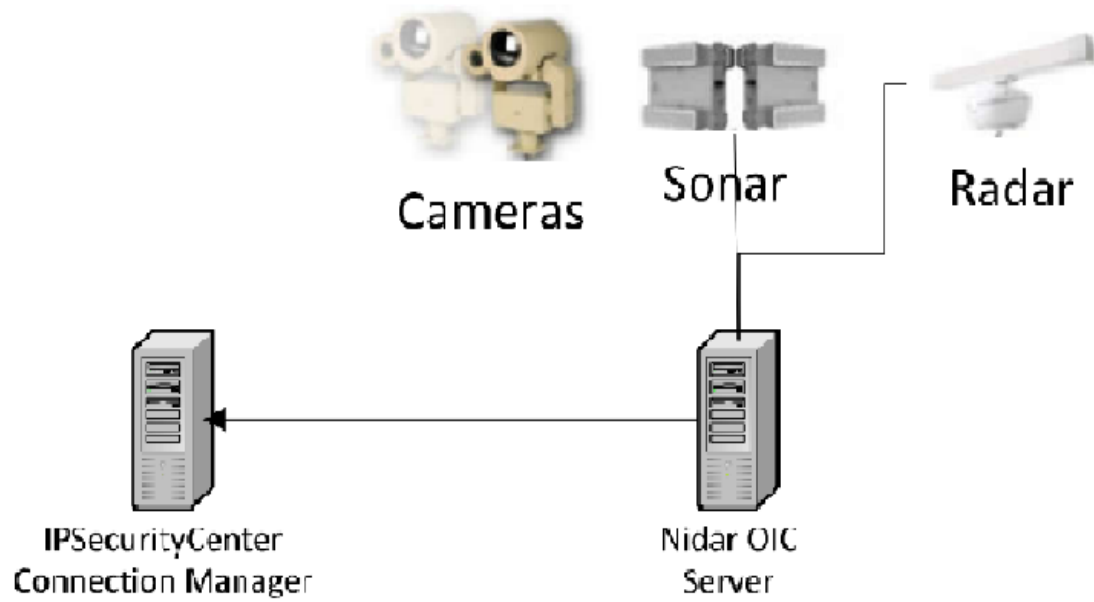
5.2 Server Side Functionality

Operating Systems	Supported
Windows Server 2008 R2	<input checked="" type="checkbox"/>
Windows Server 2012	<input checked="" type="checkbox"/>
Windows 7 64 bit	<input checked="" type="checkbox"/>

6 Models / Firmware Versions

Model	Versions	SDK
Nidar SDK	3f269a2	20151223

7 Hardware Configurations



8 Driver Package

The driver package is named: CNL.IPSecurityCenter.Driver.Marss.Nidar.[BUILD-VERSION].ipsc

9 Driver Features

9.1 Nidar server

9.1.1 Device Connection and Online States

The full requirements for these features can be found in the [Device Connection and Online States Requirements](#)

Feature	
DC1.0 Device Online Status	None
DC2.0 Authentication	None

9.1.2 Video

This device does not support video.

9.1.3 Properties

General requirements for properties can be found in [Driver Project Requirements](#).

Name	Type	Description	Default Value & Ranges
Track Events	bool	When enabled raises a track event every time a track update is detected by a sensor	Default: Min: Max:

9.1.4 Methods

General requirements for methods can be found in [Driver Project Requirements](#).

9.1.5 Events

General requirements for events can be found in [Driver Project Requirements](#).

9.2 Nidar Sensor

9.2.1 Device Connection and Online States

The full requirements for these features can be found in the [Device Connection and Online States Requirements](#)

Feature	
DC1.0 Device Online Status	None
DC2.0 Authentication	None

9.2.2 Video

This device does not support video.

9.2.3 Properties

General requirements for properties can be found in [Driver Project Requirements](#).

Name	Type	Description	Default Value & Ranges
Id	string	Represent a sensor Id	Default: Min: Max:

9.2.4 Methods

General requirements for methods can be found in [Driver Project Requirements](#).

9.2.5 Events

General requirements for events can be found in [Driver Project Requirements](#).

9.2.5.1 Track Update

Raised when a track is created or updated.

Performance

The driver must be able to handle 4000 events per hour.

Event Properties

Name	Type	Description
State	TrackUpdateState	The state of the track - Added, Updated or Removed
Id	string	Unique track Id.
Current timestamp of the track event.	DateTime	
Course	double	Track update Course
Code	string	Track code - 3 character identifier
Track Class	string	Track Class - Surface / Diver
Display color	string	Display color - green/red/orange/blue/grey
Display Method	string	DisplayMethod name.
Display Icon	string	Display Icon name
Status	string	Status of alarm - querying, tracking or lost.

9.2.5.2 Event Interfaces

This section provides details of built-in interfaces that are implemented on this event. Full details of these interfaces can be found in the DDK documentation.

Interface	Description
IGeoSpatialAwareEvent	Identifies an event as Geo-Spatial Aware

9.2.5.3 Alarm Warning Change

Raised when an alarm or warning is created or

Performance

The driver must be able to handle 4000 events per hour.

Event Properties

Name	Type	Description
Type	AlarmType	Type of alarm in Alarm raised , Alarm update , warning raised.
Status	string	Status of alarm - querying, tracking or lost.
Alarm Id	string	Unique ID allocated to the alarm
Track Id.	string	Unique track ID triggering the alarm
Zone	string	The zone in which the alarm was triggered
Description	string	Description of the nature of the alarm
Timestamp	DateTime	Current timestamp
Connector Class	ConnectorClass	Connector Class
Course	double	Alarm course
Code	string	Alarm code - 3 character identifier
Class	string	Track Class - Surface / Diver
Display Color	string	Display color - green/red/orange/blue/grey
DisplayMethod	string	Display method name
Display Icon	string	Display Icon name.

9.2.5.4 Event Interfaces

This section provides details of built-in interfaces that are implemented on this event. Full details of these interfaces can be found in the DDK documentation.

Interface	Description
IGeoSpatialAwareEvent	Identifies an event as Geo-Spatial Aware

10 Installation

10.1 Prerequisites

There is no SDK to install for this integration.

10.2 Driver Installation

- Start the IPSecurityCenter™ client and any supporting services
- Open the Device Driver Manager from the System Configuration
- Click the ***Install*** button
- Select the MARSS SAM Nidar server Driver Package in the Open file dialog
- Wait for the driver to be uploaded

The driver packages should be listed in the Device Driver Manager.

Additional Installation Details

10.2.1 Device Configuration

- Right click in a folder (e.g. Devices) in the System Configuration: **New → Device On → Server**
- Click **Next** on the introduction
- Select **MARSS SAM** in the **Device Manufacturer** list
- Select **Nidar server** in the Available Devices list
- Click **Next** to enter the device details: Enter the MARSS SAM Nidar server hostname or IP address, the port (use 0 to use the default port), and user name and password if integrated security is not being used.
- Click **Next** and **Finish** to add the device.
- Enable the device to bring it online.

Additional Configuration Details

10.2.2 Driver Compatibility

The following devices are known to be incompatible with the MARSS SAM Nidar server.

Model
