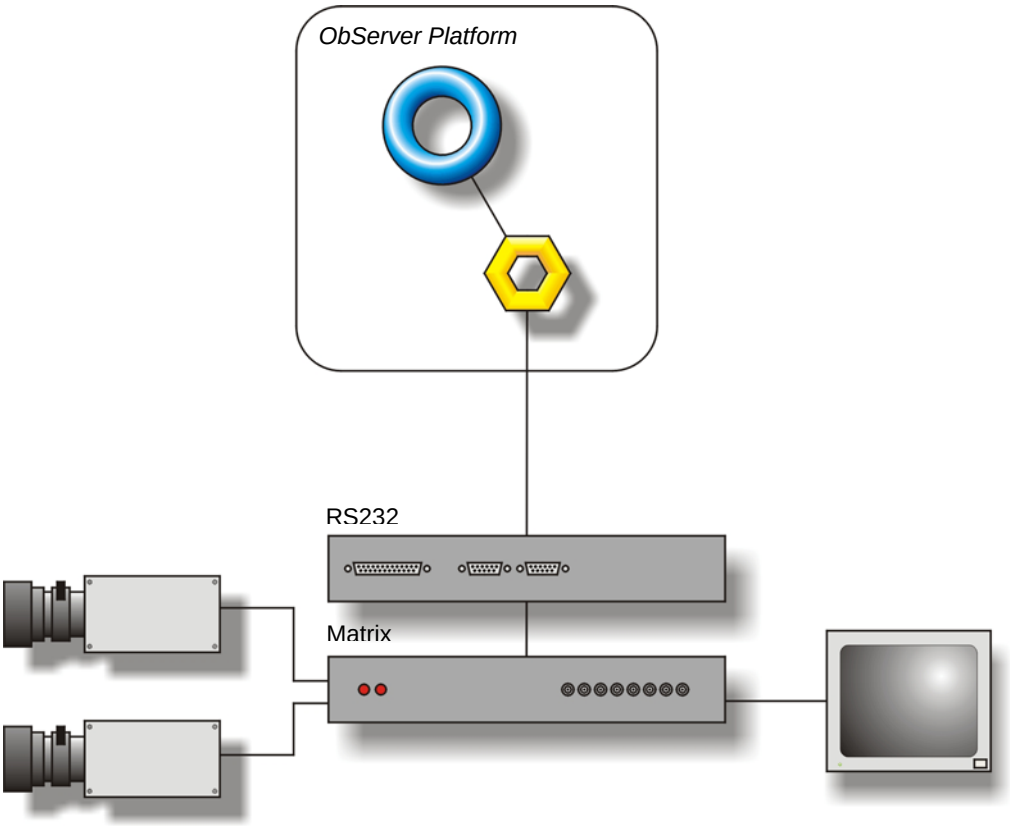
Product Engineering Guide

OSM v20 Synectics v10

Introduction

The Synectics OSM links Synectics Systems Ltd's CCTV camera matrix, via a PC232 module, to ObServer. Up to 240 cameras can be connected on the matrix, and sequences can be created from these inputs for up to 64 monitors.



Supported Range

- Tesseract ST Matrix Range - Up to 56 camera inputs and 8 monitor outputs.
- Tesseract SM Matrix Range - Up to 96 camera inputs and 32 monitor outputs.
- Tesseract SL & ALC Matrix Range - Up to 240 camera inputs and 64 monitor outputs.

Notes

The Synectics PC232 module (Syn PC232) is required in order to communicate with Compass.

The Synectics system does not report alarms to ObServer. If alarms are needed then an AlarmGen will be required.

The Synectics system does not provide logging to ObServer. If logging is needed then a LogMax will be required.

Engineering

Step 1 – Install OSM

The Synectics OSM is installed automatically with all ObSys editions. Refer to the ‘ObSys CD sleeve’ for details on how to install ObSys.

Step 2 – Configure Synectics System

The Synectics system does not require configuring.

Step 3 – Connect COM Port to Synectics System

Using cable, connect the Synectics system to a COM port of the PC. Refer to the section ‘Cable’ below for details of the cable.

Step 4 – Plug in Synectics OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the Synectics OSM to an available channel. Refer to '*ObServer v20 Application Engineering Guide*'.

Note: After inserting the OSM, your engineering software may need to re-scan the ObServer object in order to view the OSM.

Step 5 – Configure Synectics OSM

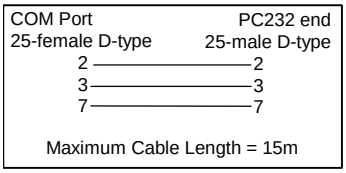
The COM port, device label, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

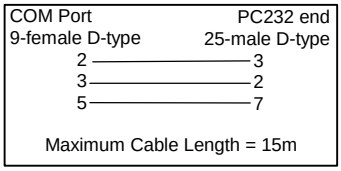
Step 6 – Access Objects within the Synectics System

Values from the Synectics system are made available as objects from ObServer. Any object software that is connected to the ObServer can access these objects.

Cable Specification

The cable between COM port and the 25-way D-type port, marked RS232 on the PC232 is as follows:





Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Object [1]	***Label***	***R/W***	***Type***
S*c*	Synectics System connected to channel *c*	-	*[Synectics v10]*
M*c*	Synectics Module connected to channel *c*	-	*[OSM v20\Synectics v10]*

Notes

[1] The ObServer channel number, *c*, is a number in the range 1…40.