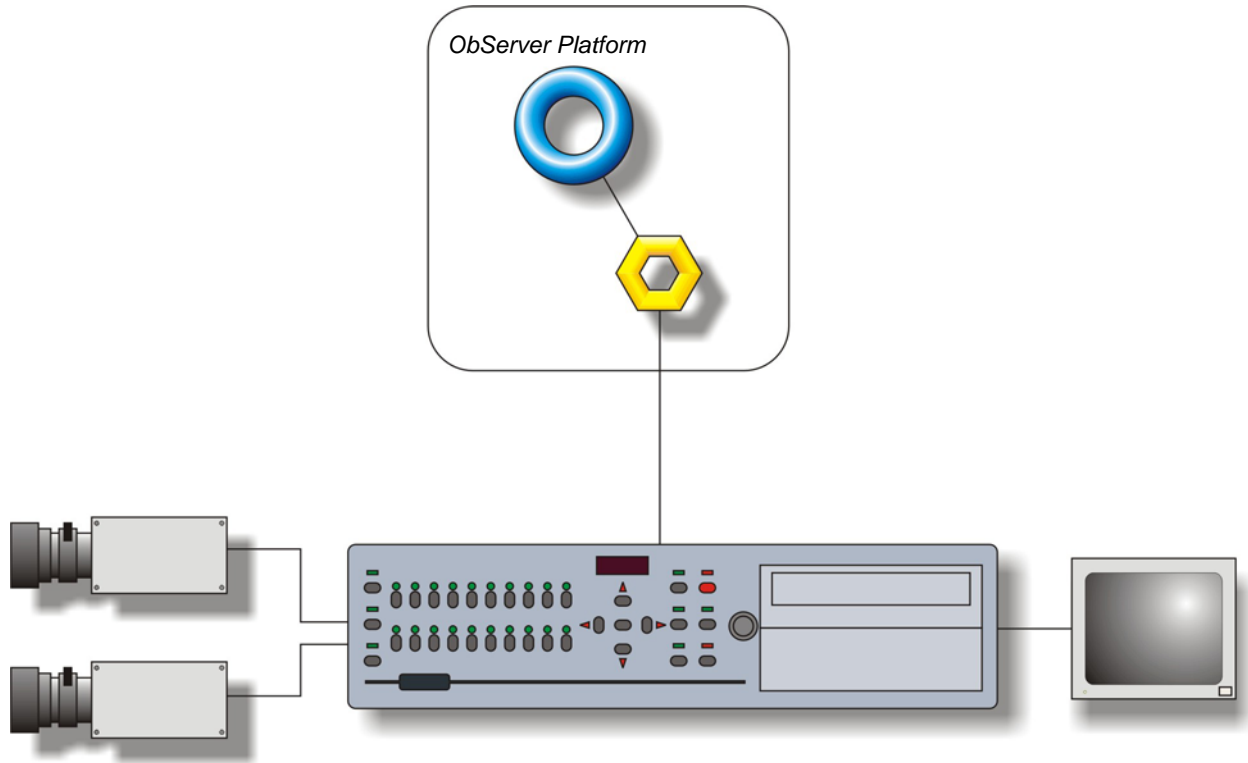# Product Engineering Guide

OSM v20 TectonDarlex v10

Introduction

The *TectonDarlex* OSM connects Tecton's Darlex 20 digital video records to ObServer. Up to 20 cameras can be connected to the VCR and viewed from one main monitor and two spot monitors.

Supported Range

- Darlex 20 digital video records, software version 4.08 onwards.

Notes

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

Engineering

Step 1 – Install OSM

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

Step 2 – Configure Darlex System

The Darlex system does not require configuring.

Step 3 – Connect COM Port to Darlex System

Using cable, connect the Darlex system to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in TectonDarlex OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the TectonDarlex 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 TectonDarlex OSM

The COM port and system label are configured using objects. Use object engineering software to view and modify the module objects within the OSM.
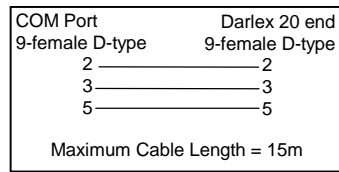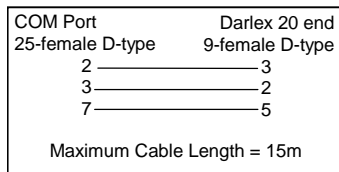
Step 6 – Access Objects within the Darlex System

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

Engineering Reference

Cable Specification

The cable between COM port and the 9-way D-type port, marked KEYPAD 1 on the Tx1000 is as follows:

```
COM Port              Darlex 20 end
25-female D-type      9-female D-type
      2 ——————————————— 3
      3 ——————————————— 2
      7 ——————————————— 5

   Maximum Cable Length = 15m
```

```
COM Port              Darlex 20 end
9-female D-type       9-female D-type
      2 ——————————————— 2
      3 ——————————————— 3
      5 ——————————————— 5

   Maximum Cable Length = 15m
```

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*	Tecton Darlex System connected to channel *c*	-	*[TectonDarlex v10]* [2]
M*c*	Tecton Darlex Module connected to channel *c*	-	*[OSM v20\TectonDarlex v10]*

Notes

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

[2]   This object has a variable content and as such requires scanning.