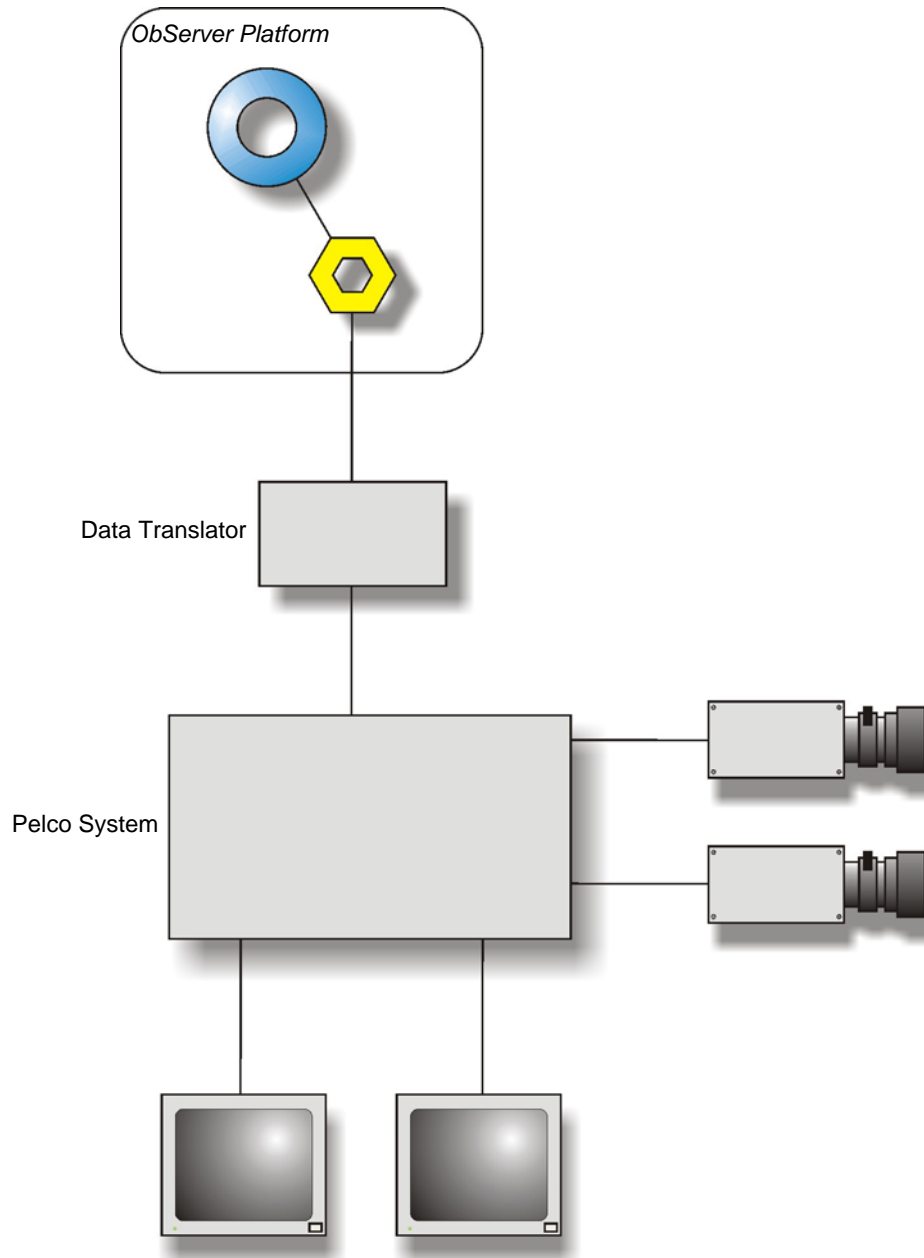# Product Engineering Guide

## OSM v20 Pelco v10

### Introduction

The Pelco OSM links Pelco's camera matrix via the CM9760-DT Data Translator to ObServer. Control of PTZ cameras is possible, as well as alarm, auxillary and macro triggering.

ObServer Platform

Data Translator

Pelco System

---

# Engineering

### Step 1 – Install OSM

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

### Step 2 – Configure Pelco System

The CM9760-DT dated (10/97) that the driver was tested with had a fixed byte format and baud rate, however, later versions may be configurable. If so, configure the CM9760-DT as per Pelco documentation. The CC1 Matrix also may require configuration. Refer to Pelco documentation.

### Step 3 – Connect COM Port to Pelco System

Using cable, connect the CM9760-DT Data Translator to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

### Step 4 – Plug in Pelco OSM to ObServer

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

The COM port, baudrate, byte format, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.
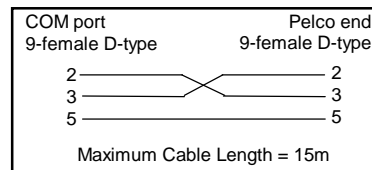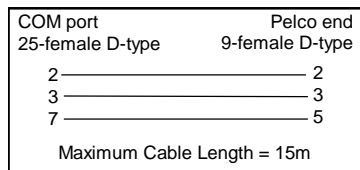
### Step 6 – Access Objects within the Pelco System

Values from the Pelco 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 Pelco 9-way D-type port, marked COM A on the CM9760-DT Data Translator, is as follows:

```
COM port                    Pelco end
25-female D-type         9-female D-type
2 ─────────────────────── 2
3 ─────────────────────── 3
7 ─────────────────────── 5

     Maximum Cable Length = 15m
```

```
COM port                    Pelco 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* | Pelco System connected to channel *c* | - | *[Pelco v10]* |
| M*c* | Pelco Module connected to channel *c* | - | *[OSM v20\Pelco v10]* |

### Notes

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