

## Purpose

The purpose of this document is to provide instruction for integrating the American Dynamics MegaPower 48 Analog Switcher with an exacqVision VMS system while maintaining PTZ control.

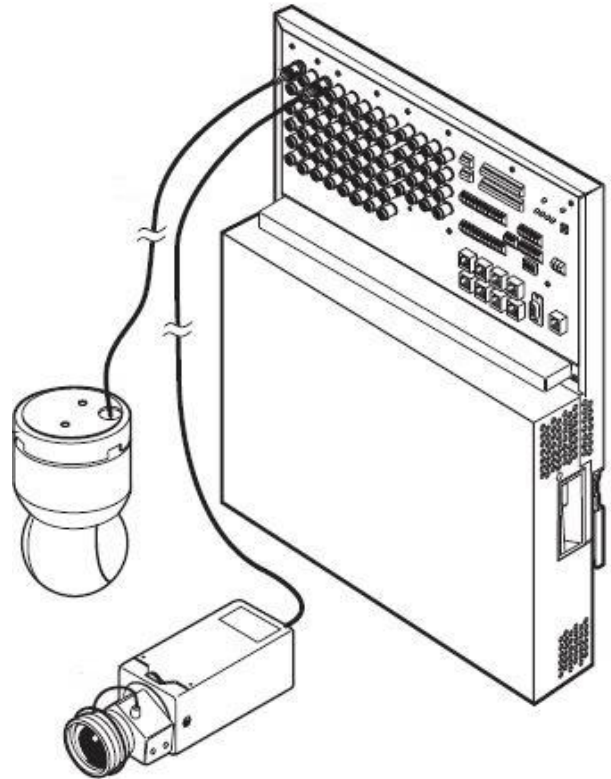
## Overview

This guide assumes the MP48 unit has already been mounted and power has been connected. The following steps will need to be taken:

1. Connect an analog camera video feed to the MP48 Switcher
2. Connect the RS422/485 lines to the MP48 directly or through a box (as illustrated)
3. Connect the exacqVision server to the MP48 Switcher via RS232
4. Configure the serial port and analog camera in exacqVision

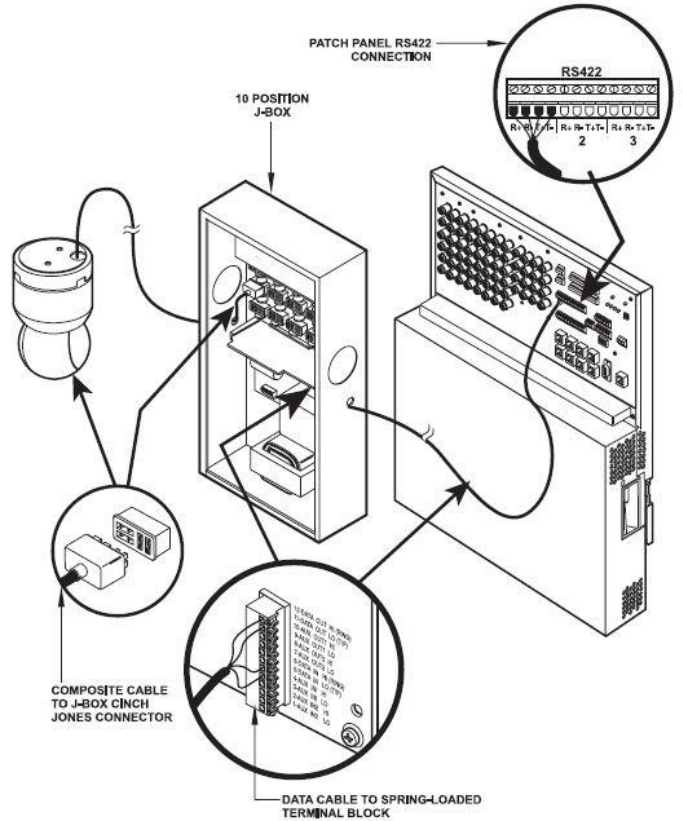
### Step 1

Connect the analog video output from the camera to a video input on the MP48 unit. This illustration shows two cameras connected.



## Step 2

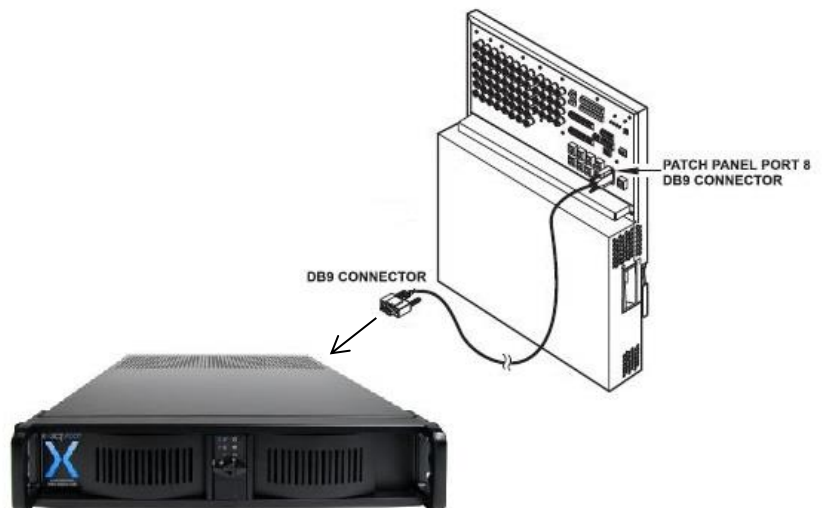
Connect the RS422/485 lines to the MP48 directly or through a junction box (as illustrated).



## Step 3

Connect the exacqVision server to the MP48 Switcher via RS232. This may require the use of a USB to RS232 adapter. Connect the 9 pin cable to the 9pin serial port on the MP48 panel. The other end of the cable will either connect to the exacqVision server directly, or connect to a USB to RS232 adapter.

**Note:** Although the Ethernet port can be used for administration of the MP48 panel when using the Easy 48 software, it cannot be used for actual PTZ operation. An RS232 connection **must** be used for controlling camera PTZ.



**Port 8 is set to TERMINAL mode by default. This must be configured to KEYBOARD mode to allow for separated control of PTZ cameras by multiple users simultaneously.**

## Step 4

Configure the serial port and analog camera in exacqVision such the port matches port configuration of any USB to serial adapter that's being used as well as the MP48 port configuration. All three devices' configurations must match

### Serial Ports

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Name	Use	Port	Profile / Protocol	Baud Rate	Data Bits	Stop Bits	Parity	Flow Control	Max Line Length	Line Ending	Timeout	Status
COM1 - PelcoD (Back Of S	PTZ	COM1	Pelco-D	2400	8	1	None	None	80		60	Open
COM3	Unused	COM3	None	9600	8	1	None	None	80		60	Unused
COM4 - Panasonic (USB D	PTZ	COM4	Panasonic	9600	8	1	None	None	80		60	Open
COM5 - Pelco D (USB DIO	PTZ	COM5	HSD-Pelco-D	9600	8	1	None	None	80		60	Open
COM6	PTZ	COM6	AD-MP48	1200	8	1	None	None	80		60	Open

Apply Cancel

In this example, the camera configuration would look like this.

1. Select Mechanical PTZ
2. Choose COM6 (based on above config)
3. Choose 5 (address of camera)
4. Choose the AD-MP84 protocol

Stretch VRC7016LX DVR Card

IP Address: Local to server

Firmware: 7.5.3.68

Resolution: 4CIF

Image Rate: 30 fps

Avg Image Size: 4042 Bytes

Recording Mode: Motion Recording

Display Video Recording Motion **Mechanical PTZ** Digital PTZ / Fisheye Sch

Settings Presets

Serial Port: COM6

Address: 5

Protocol: AD-MP48

Dome Pattern

Record Run 1

Par/Tilt

Speed

Zoom Out - In

Speed

Focus Far - Near

Iris Open - Close