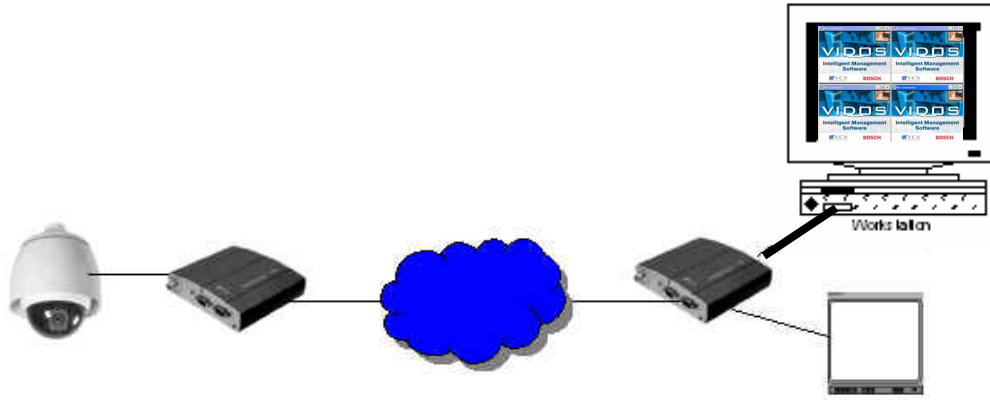


## Setting up Vidos to Control P/T/Z AutoDome Cameras



This tip will lead the user through a step-by-step process to get the AutoDome up and working and being controlled by the Vidos Software.

The following steps are required to set up the Vidos software to control a Bosch AutoDome. The first scenario is using a VideoJet10 S encoder at the camera and a VideoJet 10 E at the decoder site. The VideoJet10 series has (2) COM PORTS. In this example, we will be using COM PORT # 1.

This example will use the Web browser to perform the configuration.

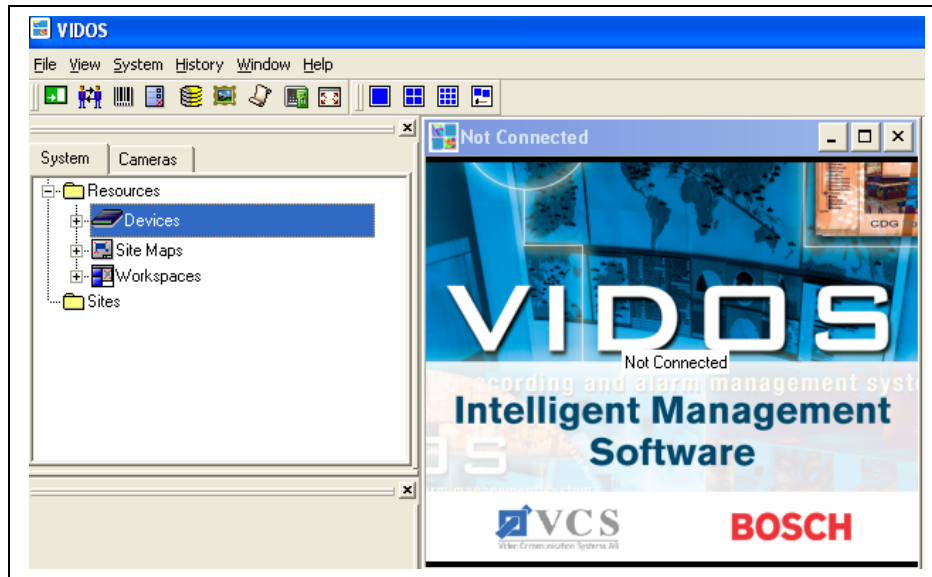
The first unit to be configured will be the decoder, located at the controlling site.

Open up Internet Explorer and enter the IP address of the VideoJet 10s decoder. Click on Expert Mode and go to "Interface Settings" and select "COM 1". Set the Serial Port function to "Transparent", the baud rate to 9600, Data bits to "8", Stop bits to "1", no parity, interface mode to RS232, and half duplex to "OFF" After making these changes make sure to click on the "Set" button to save the settings.

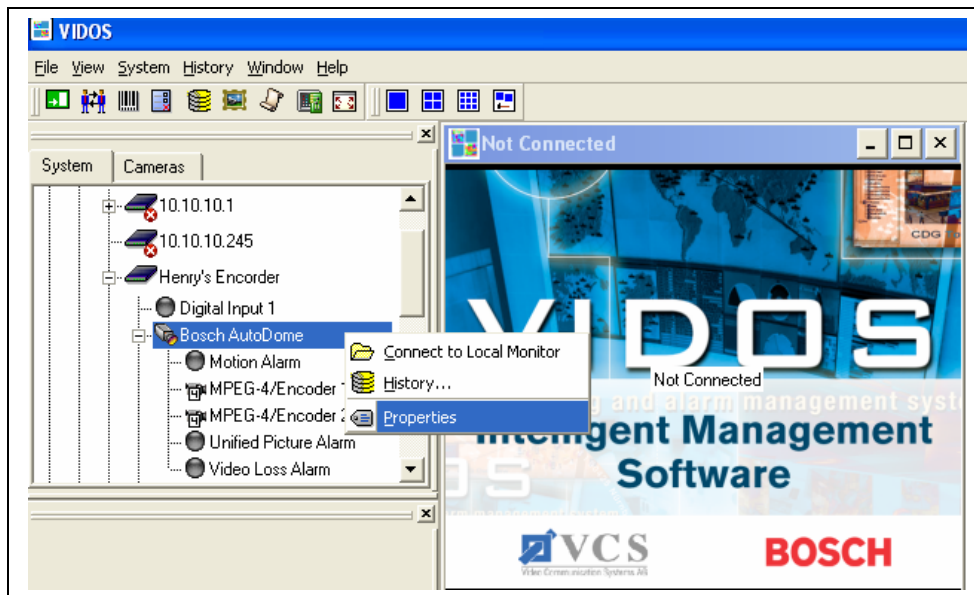
The screenshot shows the VCS (Video Communication Systems AG) web interface for configuring a VideoJet 10 MPEG-4 decoder. The interface is in 'Expert Mode' and displays the 'COM1 serial data port' configuration page. A left-hand navigation menu includes options like 'Unit identification', 'Display settings', 'Video/Audio settings', 'Alarm settings', 'Relay settings', 'Interface settings', 'Interface COM 1', 'Interface COM 2', and 'Service settings'. The main configuration area is divided into two sections: 'COM1 serial data port' and 'COM1 interface settings'. In the 'COM1 serial data port' section, the 'Serial port function' is set to 'Transparent' with a 'Set' button. The 'COM1 interface settings' section includes fields for 'Baud rate' (9600), 'Data bits' (8), 'Stop bits' (1), 'Parity check' (None), 'Interface mode' (RS232), and 'Half-duplex mode' (Off), each with a dropdown menu and a 'Set' button. A 'Help on this page?' link is located at the bottom left of the configuration area.

The decoder is now set for PTZ control of Bosch's AutoDome.  
The next step is to open up Vidos and configure the camera protocol settings.

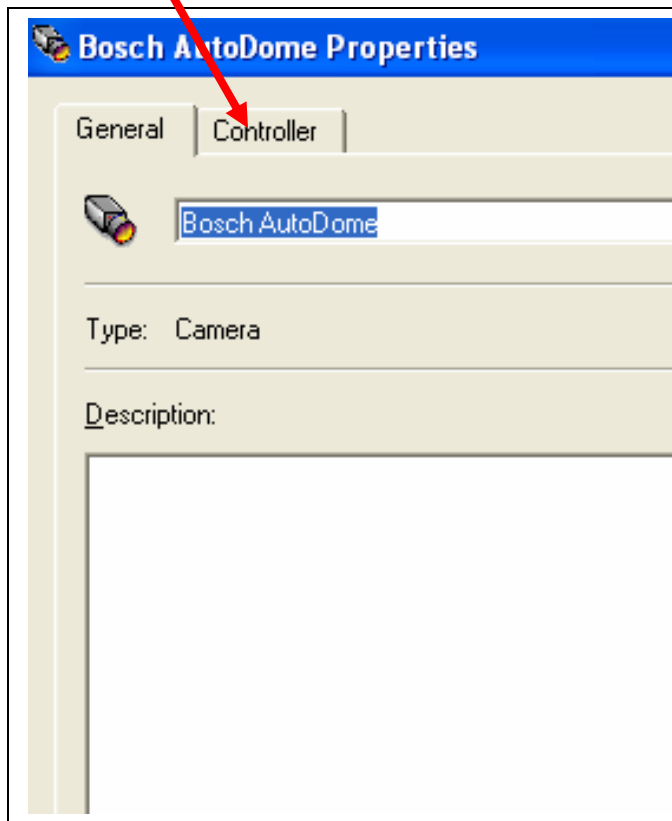
Open up Vidos and double click on Resources on the left hand side of the screen.  
Double click on Devices and select the camera to be controlled. In our example we are controlling a camera with a name of "Bosch AutoDome".



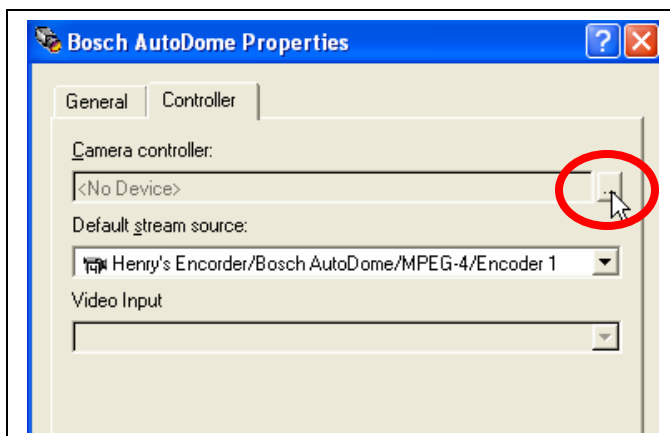
Highlight "Bosch AutoDome", right click and select "Properties"



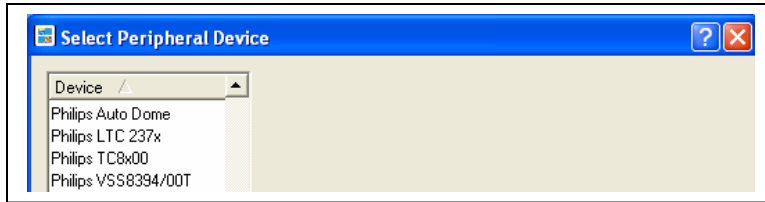
Select the "Controller" folder



Click on the "browse" button

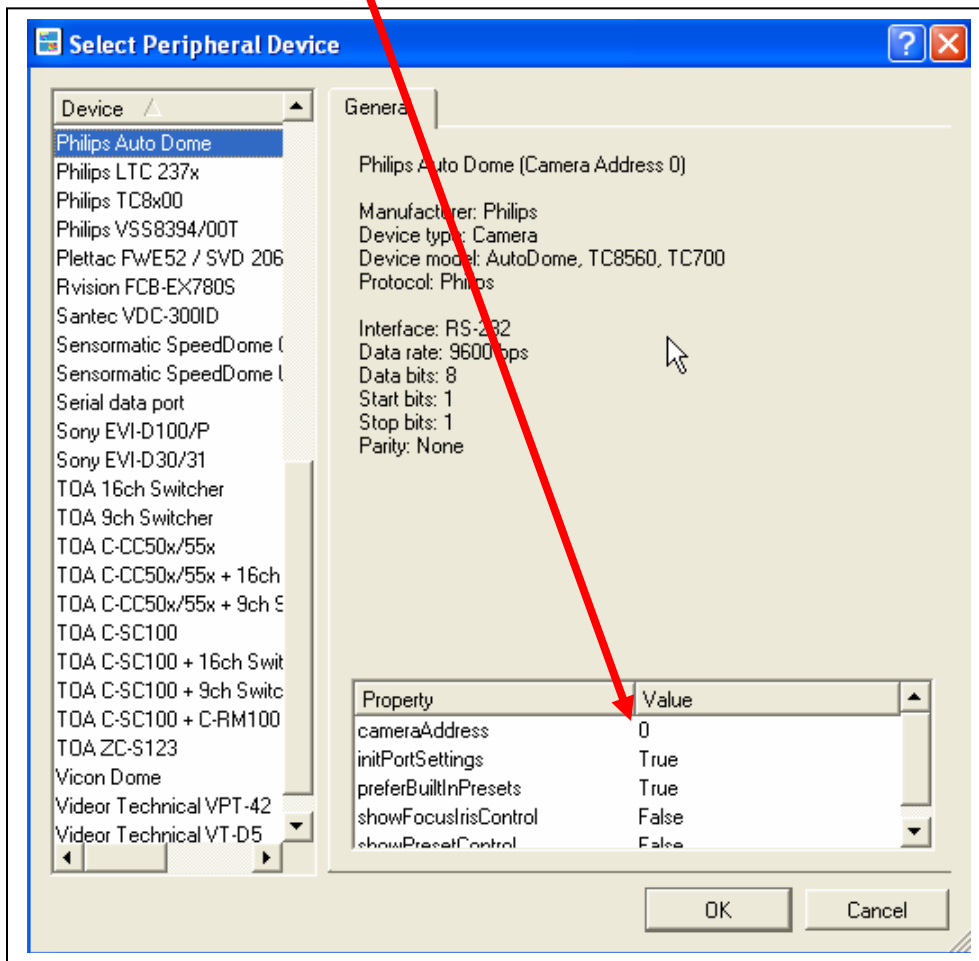


You will now see multiple protocols to choose from.



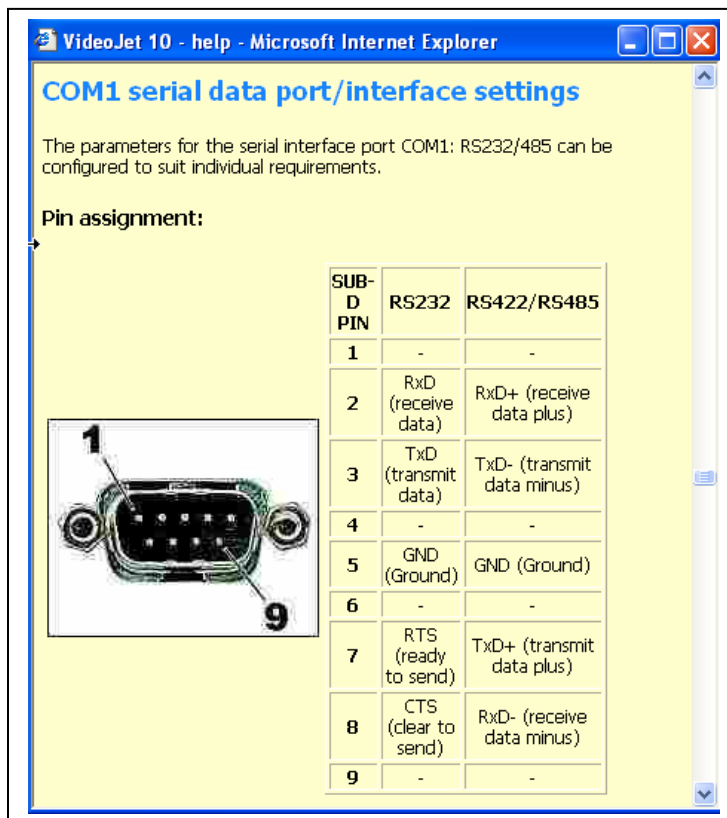
After selecting the "Philips Auto Dome" you will see a "General" folder. This enables you to choose the camera address \* and other properties by clicking in the "Properties" box in the lower portion of the screen. These properties will also allow customization of PTZ displays. (I.E. show focus and preset controls)

\* **Note:** *The camera address in the Vidos programming must be 1 number less than the actual address of the camera.*



Vidos is now configured for controlling Bosch AutoDome cameras. The next step is to configure the Interface settings for COM PORT #1 in the encoder located at the camera. The procedure and settings are exactly the same as it was for the decoder. Make sure you are setting up COM PORT # 1, since this is the COM PORT we are using on the decoder.

Cut the null modem cable in half supplied with the VideoJet 10 S. Plug one end into COM PORT # 1. and hook the other end into the RS232 input on the AutoDome. Use the following pin-outs for COM PORT # 1:



**COM1 serial data port/interface settings**

The parameters for the serial interface port COM1: RS232/485 can be configured to suit individual requirements.

**Pin assignment:**

SUB-D PIN	RS232	RS422/RS485
1	-	-
2	RxD (receive data)	RxD+ (receive data plus)
3	TxD (transmit data)	TxD- (transmit data minus)
4	-	-
5	GND (Ground)	GND (Ground)
6	-	-
7	RTS (ready to send)	TxD+ (transmit data plus)
8	CTS (clear to send)	RxD- (receive data minus)
9	-	-

The diagram shows a 9-pin D-sub connector with pins 1, 2, 3, and 5 labeled. Pin 1 is the shield, pin 2 is RxD, pin 3 is TxD, and pin 5 is GND.

You will be using pins 2 RxD (receive data), 3 TxD (transmit data), and pin 5 (ground) to make the connection to the AutoDome's RS232 Input.

1. Connect VIP Data Pin 2 to the AutoDome TxD Pin
  2. Connect VIP Data Pin 3 to the AutoDome RxD Pin
  3. Connect VIP Data Pin 5 to the AutoDome Shield Pin
- \*\* Be sure NOT to use the C+ or C- connections on the AutoDome