PTZ INSTALLATION – PANASONIC AND GANZ ON DS

May 23, 2011

Introduction

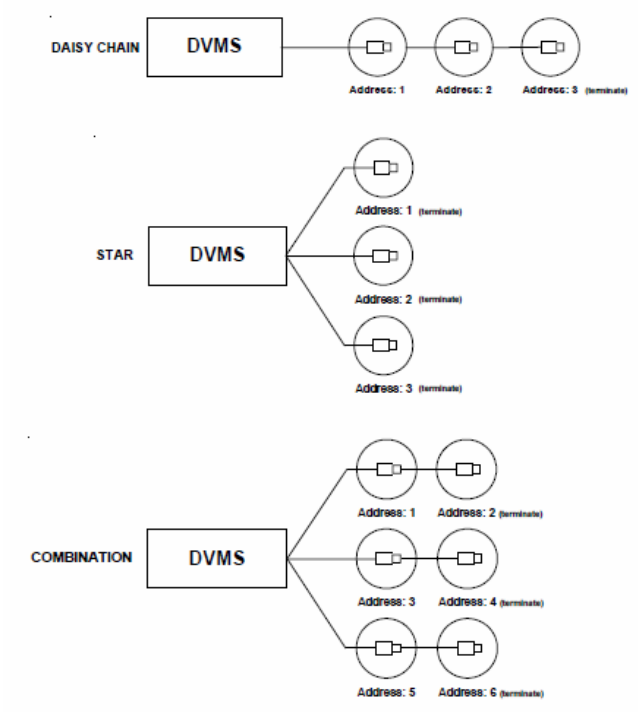
The procedure for installing PTZ cameras on an Integral DVMS varies depending on the camera manufacturer. This document covers the installation of two camera types: Panasonic WV-CS854 Dome and Ganz ZC-S series dome. The following sections cover the specific installation instructions for each camera.

NOTE: Only one camera manufacturer and one COM port are supported at a time on the DVX series of products. DS XPress and DS Enterprise systems allow you to use multiple COM ports and PTZ camera types.

Connecting Multiple Cameras

Additional cameras are connected to the DVMS in a daisy chain, star, or combination configuration; the final camera in each chain must be terminated. Each camera must have a unique address; on DVX series systems, the address must match the video input number the camera is connected to on the DVMS (see the recorder's user manual). The address is set on each camera using dip switches or dials (see "Selecting Addresses" in each installation procedure). Sample configurations are shown in Figure 1.

See the camera manufacturer's installation manual for more information.



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Installing Panasonic WV-CS854 on an Integral DVMS

To use a Panasonic WV-CS854 camera with an Integral DVMS, you must wire the camera to the RS-485 converter, connect the converter to the DB-25-to-DB-9 adapter cable, and then plug the cable into the COM port on the DVMS. Pin 1 on the converter must be connected to the green R wire from the camera, and Pin 2 on the converter must be connected to the yellow R wire from the camera:

by Schneider Electric

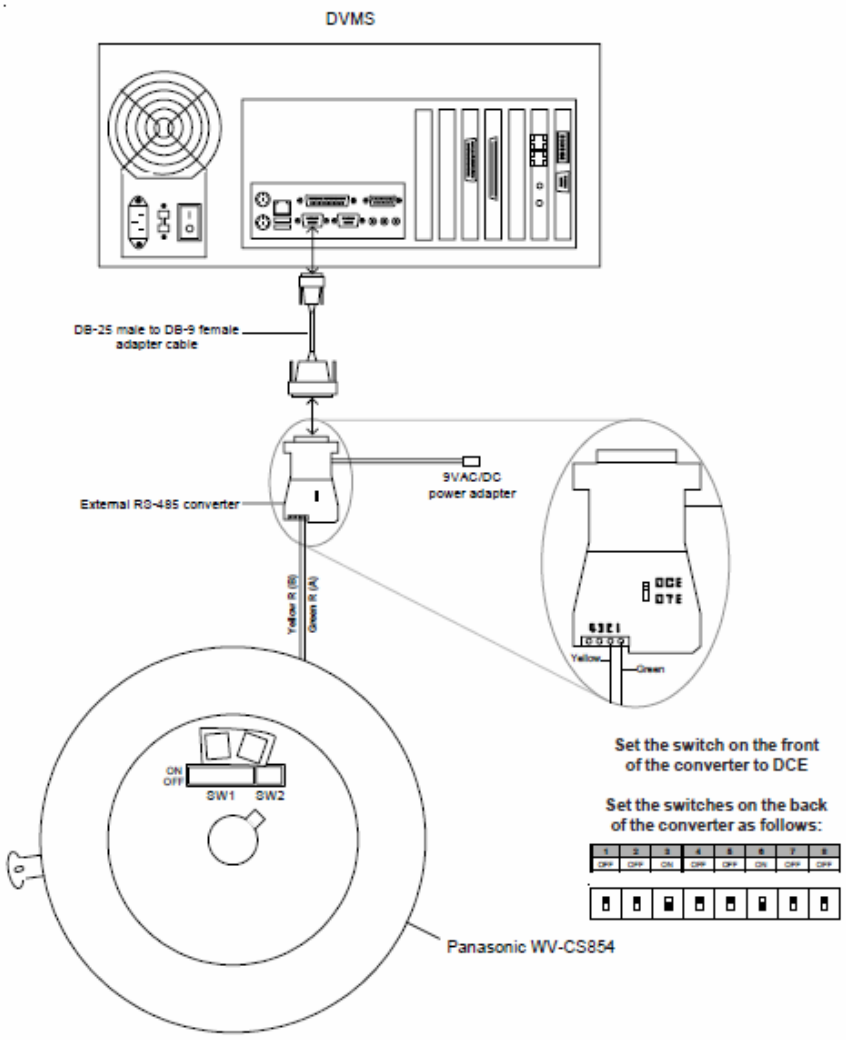
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RS-485 converter pin	Panasonic 5-wire terminal
COM A	Green R (A)
COM B	Yellow R (B)

Make sure you select COM1 on the PTZ tab for this camera using the Setup page on DVX series systems or DSAdmin on DS XPress or DS Enterprise systems.

The following figure illustrates the connection points between the DVMS and the camera. (Drawing not to scale; DVMS drawing may not match your particular DVMS model.)

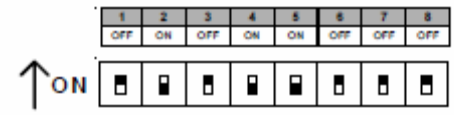


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Panasonic WV-CS854: Setup Instructions

The figure on the previous page shows the SW1 switch used to select the protocol, communication parameter, and camera address. You must set this switch three times, as described in the following instructions:

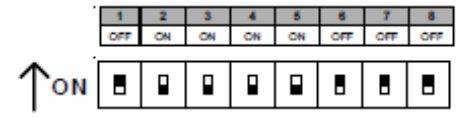
1. Select the protocol by setting SW1 as follows (factory default settings):



2. Insert the camera in its mount and wait for the camera to complete the startup sequence.

3. Remove the camera from its mount.

4. Select the communication parameters (9600bps, data bit 8, parity check N, stop bit 1) by setting SW1 as follows:



5. Insert the camera in its mount and wait for the camera to complete the startup sequence.

6. Remove the camera from its mount.

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7. Select a unique camera address from 1 to 32 by setting SW1 as follows (note that 8 is ON in each case):

Address	SW1-1	SW1-2	SW1-3	SW1-4	SW1-5	SW1-6	SW1-7	SW1-8
1	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
2	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
3	ON	ON	OFF	OFF	OFF	OFF	OFF	ON
4	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
5	ON	OFF	ON	OFF	OFF	OFF	OFF	ON
6	OFF	ON	ON	OFF	OFF	OFF	OFF	ON
7	ON	ON	ON	OFF	OFF	OFF	OFF	ON
8	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
9	ON	OFF	OFF	ON	OFF	OFF	OFF	ON
10	OFF	ON	OFF	ON	OFF	OFF	OFF	ON
11	ON	ON	OFF	ON	OFF	OFF	OFF	ON
12	OFF	OFF	ON	ON	OFF	OFF	OFF	ON
13	ON	OFF	ON	ON	OFF	OFF	OFF	ON
14	OFF	ON	ON	ON	OFF	OFF	OFF	ON
15	ON	ON	ON	ON	OFF	OFF	OFF	ON
16	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
17	ON	OFF	OFF	OFF	ON	OFF	OFF	ON
18	OFF	ON	OFF	OFF	ON	OFF	OFF	ON
19	ON	ON	OFF	OFF	ON	OFF	OFF	ON
20	OFF	OFF	ON	OFF	ON	OFF	OFF	ON
21	ON	OFF	ON	OFF	ON	OFF	OFF	ON
22	OFF	ON	ON	OFF	ON	OFF	OFF	ON
23	ON	ON	ON	OFF	ON	OFF	OFF	ON
24	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
25	ON	OFF	OFF	ON	ON	OFF	OFF	ON
26	OFF	ON	OFF	ON	ON	OFF	OFF	ON
27	ON	ON	OFF	ON	ON	OFF	OFF	ON
28	OFF	OFF	ON	ON	ON	OFF	OFF	ON
29	ON	OFF	ON	ON	ON	OFF	OFF	ON
30	OFF	ON	ON	ON	ON	OFF	OFF	ON
31	ON	ON	ON	ON	ON	OFF	OFF	ON
32	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON

8. Insert the camera in its mount and wait for the camera to complete the startup sequence.

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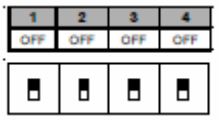
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Panasonic WV-CS854: Camera Termination

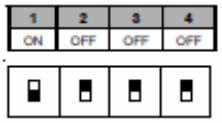
The figure on page 2 shows the location of the SW2 switch, which is used to select the termination (switch 1) and duplex setting (switches 2–4, full duplex). Complete the following instructions:

1. Remove the camera from its mount.

2. Set SW2 as follows if the camera is not the final camera in a chain:



3. Set SW2 as follows if the camera is the final camera in a chain:



See the Panasonic WV-CS854 installation manual for more information.

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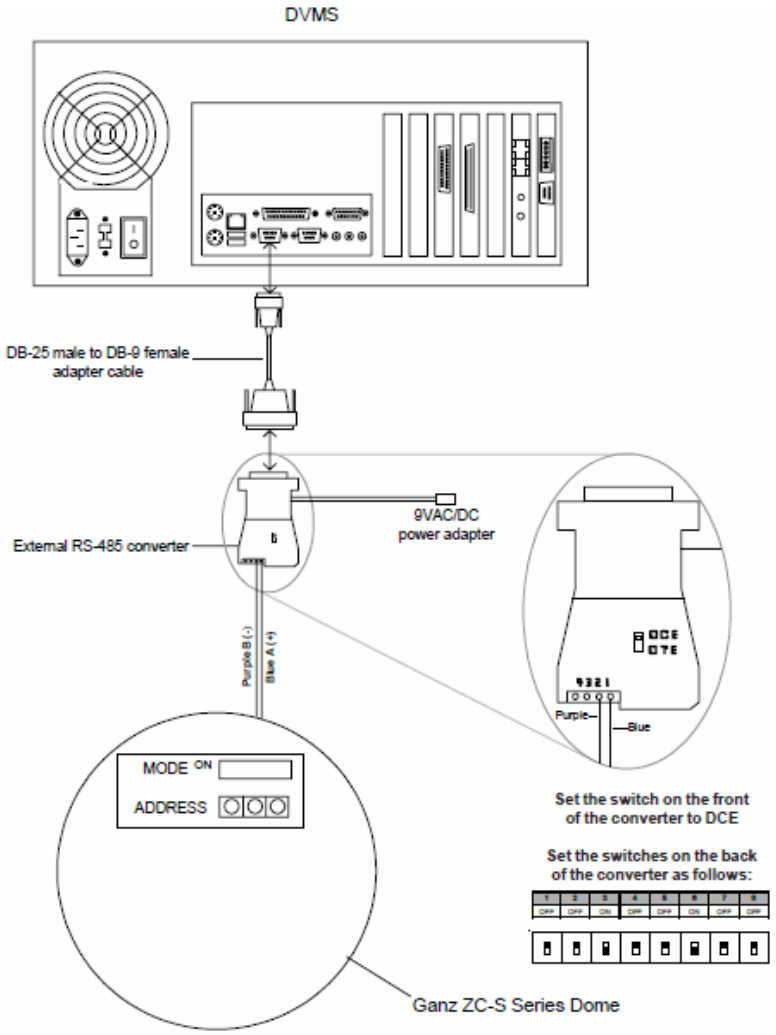
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Installing Ganz ZC-S Series Dome on an Integral DVMS

To use a Ganz ZC-S series dome camera with an Integral DVMS, you must wire the camera to the RS-485 converter, connect the converter to the DB-25-to-DB-9 adapter cable, and then plug the cable into the COM port on the DVMS. Pin 1 on the converter must be connected to the blue A (+) wire from the camera, and Pin 2 on the converter must be connected to the purple B (–) wire from the camera:

The following figure illustrates the connection points between the DVMS and the camera. (Drawing not to scale; DVMS drawing may not match your particular DVMS model.)

NOTE: Set cameras to 38,400 baud (fifth and sixth Mode dip switches are OFF) and make sure the final camera in a chain is terminated (the eighth Mode dip switch is ON). See the camera manufacturer's documentation for details.



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