

PANORAMA™ Application Note

Connecting a Security Camera to a *Panorama* PAN6400 Video Distribution Center (VDC)

This application note shows you how to integrate a security camera into a *Panorama* Distribution System. The camera feed is viewable on all displays connected to the *PAN6400*.

Requirements

The basic connection of a security camera to a *PAN6400* requires:

- *PAN6400*,
- *PANVP500*,
- display,
- CAT5e cable,
- two composite cables,
- security camera.

See Figure 1 for an example of how to connect a security camera to a *PAN6400*.

Procedures

1. Turn power off to all devices.
2. Connect a security camera to the composite input for the source you are installing (in this example, Room 1).
3. Connect a CAT5e from R1 of the Room Outputs on the *PAN6400* to the VIM port on the back of the *PANVP500*.

NOTE: For information on how to properly configure a *PANVP500*, refer to the *PAN6400 Installation Guide* located in the Dealer Documents section of the *NetStreams* website (www.netstreams.com). Insert the cable length compensation (CLC) card into the *PANVP500* that best corresponds with the length of the CAT5e cable run to that *PANVP500*.

4. Connect a composite cable from the front of the *PANVP500* to the input of the display.



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Products Included:

PAN6400

PANVP500

- 5. Turn power on to all devices.

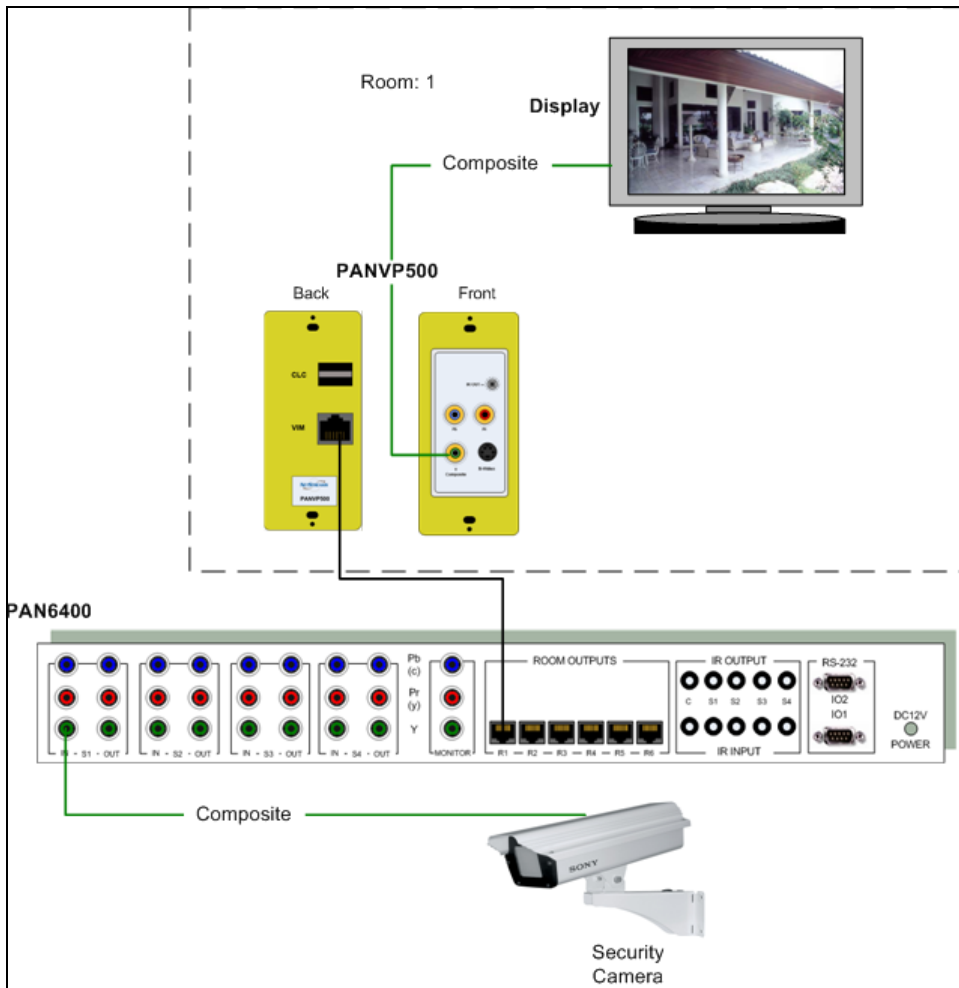


Figure 1 Basic security camera configuration

Advanced Configuration

There are many possible configurations for the security camera using a *PAN6400*. With a Picture-in-Picture (PIP)-enabled tv, it is possible to watch two feeds from the *Panorama* at the same time.

The example in Figure 2 shows how to connect two *PAN6400s* to route both composite video (for the camera), component video (for another video source such as a satellite tuner), and multi-channel audio from a satellite tuner.

Requirements

- two *PAN6400s*,
- two *PANVP500s*,
- PIP-capable display (PIP input must be composite),
- CAT5e cable,
- composite cable,
- IR emitter,
- security camera (output must be composite), and
- another video source (such as a satellite tuner).

Procedures

To configure the *PAN6400* for use with a security camera, display, audio, and PIP; complete the following steps:

1. Ensure power is off to all devices and that all *PANVP500s* are configured correctly.

NOTE: For information on how to properly configure a *PANVP500*, refer to the [PAN6400 Installation Guide](#) located in the Dealer Documents section of the *NetStreams* website (www.netstreams.com). Insert the cable length compensation (CLC) card into the *PANVP500* that best corresponds with the length of the CAT5e cable run to that *PANVP500*.

2. Connect the composite cable from the security camera to the composite input on the *PAN6400* (1).
3. Connect the Coaxial Digital (S/PDIF) cable from the source to the In port (green RCA connection) for that source on the *PAN6400* (1).
4. Connect the RCA cable from the component video out ports of the source to the input ports for that source on the *PAN6400* (2).
5. Connect the IR emitter from the S1, S2, S3, or S4 (for source 1, source 2, source 3, source 4) output ports on the *PAN6400* (2) to the IR window on the front of the source.
6. Connect the Ethernet CAT5e cable from the room output on the *PAN6400* (1) to the VIM port of the *PANVP500* (1).
7. Connect the S/PDIF cable from the *PANVP500* (1) to the digital audio input on the A/V receiver.
8. Connect a composite cable from the *PANVP500* (1) to the PIP connection on the display.
9. Connect the Ethernet CAT5e cable from the room output on the *PAN6400* (2) to the VIM port of the *PANVP500* (2).
10. Connect the IO1 port on *PAN6400* (1) to IO2 on the *PAN6400* (2) using the null modem cable.
11. Connect RCA cable from the *PANVP500*(2) to the display.

- 12. Connect 5.1 or 7.1 channel speakers from the output ports of the A/V Receiver.
- 13. Connect the IR emitter to the display.
- 14. Turn power on to all devices.

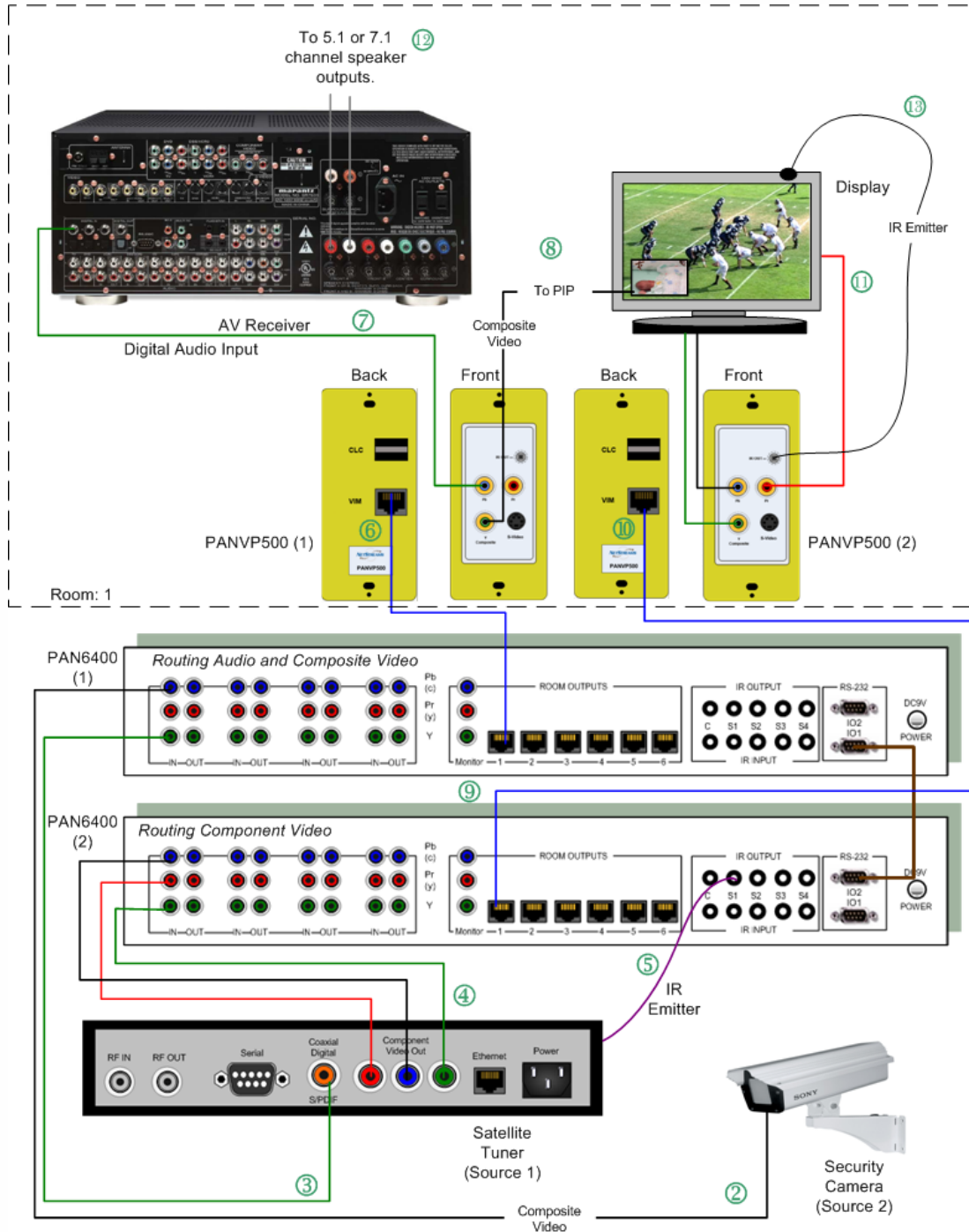


Figure 2 Advanced configuration