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QuickTime Conferencing: Reasons for B&W Self View Image (5/96)

Revised: 5/22/96
Security: Everyone

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TOPIC ----------

I am using a QuickTime Conferencing Camera 100 with my AV equipped Macintosh computer. I am getting an image but it only appears in black and white. This happens regardless of color depth chosen in the Monitors control panel.

DISCUSSION ----------

There are two common reasons why your QuickTime Conferencing Self View window may be showing only in Black and White.

Monitor Size or Screen Resolution Selected

If your screen resolution is set higher than 832x624, your Self View image will appear on your monitor and sent to other conference members in black and white. This happens regardless of how much VRAM you have because the VRAM cannot draw that large of an image and redraw a color Self-View window quickly enough.

Lower your monitor's screen resolution to 832x624 or lower in the Monitors control panel and your Self View image will appear and broadcast in color.

How the Camera is Connected to the Computer

Three cables ship with the QuickTime Conferencing Camera 100:

A. 1 Combination cable, S-Video to DC Power and RCA jack
B. RCA to RCA
C. S-Video to DC Power

You must use the appropriate cable for your computer in order for the QuickTime Conferencing Camera to work correctly.

The output from the QuickTime Conferencing Camera 100 is an NTSC composite signal, not an S-Video component signal. With the exception of the Power Macintosh 7500 and 8500, AV equipped Power Macintosh computers will accept a composite video signal through the S-Video port. The S-Video port also provides 12-volt power to the QuickTime Conferencing Camera. For Power Macintosh AV computers other than the Power Macintosh 7500 and 8500, use cable A to connect the S-Video connector to the computer's S-Video port and the RCA and DC Power pigtail on the other end of the cable to the QuickTime Conferencing Camera.

The Power Macintosh 7500 and 8500 computers cannot receive a composite video signal in their S-Video connectors. Because of this, you need to connect cable B from the RCA jack on the QuickTime Conferencing camera to the RCA jack on the back of the Power Macintosh 7500 or 8500. If you use the S-Video port to deliver the video to the computer, you will see a black and white image. You also need to use cable C to deliver power from the S-Video port on the Power Macintosh 7500 or 8500 to the QuickTime Conferencing camera.

If you have a Macintosh Quadra or Centris 840 AV or 660 AV, there is no S-Video port to supply power to the camera. In addition to using cable B for video, you will need to purchase a 12-volt, 1.9 Watt AC adaptor from your local Apple Dealer or an electronics store.

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Summary Table
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Computer	Cable	Video Signal	Camera Power
Quadra/Centris 660/840 AV	B	From Cable B	Separate Power Adaptor
Power Macintosh 6100 AV	A	From Cable A	From Cable A
Power Macintosh 7100 AV	A	From Cable A	From Cable A
Power Macintosh 8100 AV	A	From Cable A	From Cable A
Power Macintosh 7500	B & C	From Cable B	From Cable C
Power Macintosh 8500	B & C	From Cable B	From Cable C

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21 May 1996 - Updated information.
30 Oct 1995 - Corrected minor typo.

Support Information Services

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