

Webinar: Q-SYS for Cinema Fundamental Concepts

1) Why not use the Core 110f?

The Core 110f and Core 110c are essentially the same hardware, but we made the Core 110c specifically for Cinema applications to allow us to add software features and capabilities that are unique to Cinema.

2) Are the DCIO-H units able to exchange HDMI signal with the NV-Series units presently, or planned for the future? Or is the video only available locally with the DCIO?

The DCIO-H acts as an audio de-embedder, and only passes audio out to the Q-SYS network, not video. The primary purpose of the DCIO-H HDMI input is to provide Dolby and DTS consumer format decoding for HDMI sources. The HDMI input of the DCIO-H can be fed via the output of an NV-32H to allow for local HDMI switching and inputs from any remote NV-32H on the network.

3) All this equipment is needed times 11? Why not two Core 510c's and one Core 110c for Atmos room?

The “one Core per each room” design is only one possible option of many. Depending on the audio format, future expansion plans, and other requirements, you can certainly combine many rooms onto a single Core 510c as long as you don't exceed the channel count.

4) At what point does it become economically beneficial to move from a Core 110c per room to a Core 510c?

This can vary greatly based on the networking hardware used, so it's difficult to give a hard answer. If we assume that there's a redundant network and redundant Core in the 510 solution and that the preconfigured Dell switches are used, the break-even point is at seven screens. Any more than seven and the 510 solution will become more economical.

Remember that the cost of either Core is comparable to conventional cinema processors, but Q-SYS Cores allow you to do so much more. Q-SYS can bring cost savings in control and monitoring capability, and the ability to locate systems more cost-effectively, like placing amps near the speakers to lower cable costs. Every DPAQ amplifier has GPIO capability, and with the scripting capability of Q-SYS, stand-alone control equipment may be unnecessary. Also, the Ecosystem approach means that you can use the DSP power to deliver audio and video with the same control and monitoring capabilities to areas outside the auditorium, such as lobbies, lounges, game rooms, and party rooms.

5) Will this presentation be available for viewing afterward?

Yes, all of our webinar recordings are now available for viewing at:

<https://www.qsc.com/cinema/webinar-on-demand/>

6) Is this design available for download?

Yes, the Q-SYS Designer File used as an example in the presentation will be made available at the same link as above.

7) How much does Q-SYS Designer Software cost?

Q-SYS Designer is available free of charge as a download from our website. It is frequently updated with new features and capabilities, so please be sure you are running the latest version. Download here: <https://www.qsc.com/cinema/resources/software-and-drivers/q-sys-designer-software/>