

FAQ PDS-4K

1. What is the PDS-4K?

Answer: The PDS-4K is a new 4K presentation switcher that has been added to our existing Barco PDS platform. It is the successor of the PDS-902 3G model.

2. Which models are available?

Answer: There will be 2 models. One model with only HDMI inputs & outputs (R9009650) and one model with additionally SDI inputs & outputs (R9009651).

3. Which cards can be added additionally?

Answer: There is one additional slot for option cards, the first card available will be 2x DP1.2 inputs and Audio passthrough.

4. What are the prices of the PDS-4K models?

Answer: Please contact your local sales for more information on pricing & packages.

5. Where can I see the PDS-4K?

Answer: You can request a virtual or online demo with a product specialist or order a demo unit through the demo pool system. Please contact your local sales for demo requests or go to

<https://www.barco.com/en/page/pds-4K>

Please check our events calendar on www.barco.com for details.

6. Is the PDS-4K CCC/KC/BIS approved?

Answer: Yes, the unit will be CCC/KC and BIS approved (Q3 2020).

7. Where can I buy a PDS-4K in my region?

Answer: Please fill out a contact form on www.barco.com/en/contact or contact your local Barco sales representative for more information.

8. When will the PDS-4K be shipping?

Answer: The PDS-4K will start shipping in Q4/2020.

9. What are the dimensions, weight and noise of the PDS-4K?

Answer: The noise is below 50 dBa. It's a 19" 1.5 Rack units and 36 cm deep.

10. How to operate the PDS4K?

Answer: Via the front panel interface and/or a custom control panel, via the Event Master controllers (EC-30, EC-50 or EC-210) and via the Event Master Toolset.

11. Is audio included in the PDS-4K?

Answer: An optional card slot has been foreseen in which you can plug the optional card: DP 1.2 + Audio. This slot [can](#) add 2x DP1.2 inputs, audio passthrough and audio (de)embedding (Dante).

12. Can you tell more about the PiP function? What is this?

Answer: The pip function is One mixing PiP on top of a still/matte background or 2 Single PiP on top of a still/matte background or a Single PiP on a Live (the lower Z PiP) Background. It will be available in a later phase.

13. Will there be presets for the PiP positioning etc.?

Answer: Yes through Event Master Toolset you can record Presets and then map them to buttons.

14. Can you upload images for backgrounds when using PiP's? How many still stores can we use in the PDS-4K?

Answer: Yes, you can capture still stores and/or upload pictures using the PNG file format for use as backgrounds or PiP sources. You can use minimum 4 still stores in the PDS.

15. How many outputs can you use simultaneous?

Answer: All outputs are active at the same time. The two processing channels are capable of different resolution and framerate.

16. Can you give the program clone a different resolution?

Answer: Not in the first release of the product.

17. Can we add more sources to an E2 or S3 with PDS-4K?

Answer: No. The PDS-4K and the E2/S3 are not able to link and share video resources. However, you can control them from the same GUI as different systems. You could use Cues from the E2 to send preset recall commands to the PDS-4K.

18. Can the PDS-4K handle Custom EDID's (inputs & outputs)?

Answer: The first release of the PDS-4K does not support creation of custom formats.

19. What is the best way to differentiate the PDS-4K to the ImagePro-4K.

Answer: The ImagePRO-4K is a Scaler Converter built on EventMaster cards, it has a Genlock Input and a Genlock Generator. The PDS-4K is a Presentation Switcher with a new platform, have up to 10 inputs of 4K60P inputs and 2 Independent switch channels and PiP functionality.

20. Will there be an Event Master simulator version?

Answer: Yes, version 8 of Event Master Tool Set will only display the PDS-4K when the simulator is launched.

21. What version of Event Master toolset will run on the PDS-4K?

Answer: The PDS-4K will be supported by Event Master Toolset version 8 and future versions of Event Master Toolset.

22. Is there a web-interface available or controllable via Event Master?

Answer: Yes, similar like the E2/S3 plus the Front panel. Event Master toolset supports the PDS-4K, as well as the EC-50 and EC-30 when used with Event Master Toolset.

23. Why did you choose to move from an Event Master card based small frame design like EX or ImagePRO-4K to a non-modular box?

Answer: To achieve the input and output density required and hit the desired price point a non-modular design was required. Keep in mind the MSRP of Event Master cards and then add up how many cards would be required to support the PDS and it becomes cost prohibitive.

24. Can this switcher store frame or logo?

Answer: Yes, both

25. How does it handle AOI for video Walls?

Answer: Same as we do on other Barco Image Processing products.

26. How many option slots does it have?

Answer: One

27. Is there a physical logo button on the unit?

Answer: Yes, there is

28. How much latency when going in 2160p50 to 2160p50?

Answer: Less than 2 frames.

29. What will be the minimum resolution for HDMI inputs?

Answer: 720P

30. How does the Dante™ de-embedding work? Is it per output or per input?

Answer: Both, all inputs de-embed and all outputs can get Audio embedded from Dante™.

31. Is the Multiview preview/program only or can it display inputs?

Answer: The first release will be preview/program only, a later release will give inputs too.

32. Will layers support keying? Borders and shadow's on layers?

Answer: Yes, in the next in 2021 we will add support for Luma and Color keying. Both borders and shadow's on layers.

33. For system integration, is there a Crestron plug-in?

Answer: Yes, likely as it has the same basic interface as Event Master on the Protocol side.

34. Is the PDS-4K HDCP 2.2 compliant?

Answer: Yes, from immediately from the first release.

35. Is in the first release only full screen switching possible?

Answer: Yes, next release will include PiP control, with 2 x 4K PiP/layers per processing Channel.

36. Are there plans to support NDI on the PDS-4K?

Answer: We are currently considering multiple variations of option cards. The DP1.2 with Dante™ card is the only card we have committed to at this time. Please reach out to e2@barco.com with your requirements.

37. Will it be possible to setup a preset in EM Toolset and assign to a button on PDS for presenter operation later?

Answer: Yes, in a later release.

38. Dante's™ de/embedding routing will be managed from a new Event Master's menu?

Answer: No, the Dante™ Toolset will be used

39. Regarding future NDI's support, are PDS-4K's ethernet cards 1 Gbit or 10 Gbit?

Answer: No firm answer to this at this point

40. Can you set the 1B and 2B outputs as aux or it is just a regular loop?

Answer: They are copies of 1A resp 2A

41. Can the PDS-4K be used as an extension of the E2/S3 systems?

Answer: Yes, but the PDS-4K and the E2/S3 are not able to link and share video resources. You can control them from the same GUI as different systems. You could use Cues from the E2 to send preset recall commands to the PDS-4K.

42. Do you have other option cards planned?

Answer: We are planning more option cards but also look for your input on what you need to run your business. Please reach out to e2@barco.com with your requirements.

43. Can you do everything from the front panel, or do I need to use Toolset to create the presets?

Answer: The Front panel buttons will not support all functionality that is available via Event master Toolset, however mapping layouts/Presets can likely be done via the display in the future.

44. Does that also mean NDI might be seen on E2 cards?

Answer: We are currently investigating NDI but have not committed to any products yet. Please reach out to e2@barco.com with your requirement.

45. What audio channels appear on Dante™, is it just a stereo of program, or do you get every HDMI source?

Answer: Each input will support two channels, typically Left and Right.

46. Is the expansion card slot just for inputs, or might it be able to add an Aux or other outputs? Is it just one expansion slot?

Answer: Just one expansion slot that currently only adds an input option. The PDS does not support Auxes, only Program mixes. However, one channel can be used as an AUX and one as Program. That means 1 PGM and 1 AUX with each channel copied on 2 (HDMI Only) or 4 (HDMI and SDI) connectors.

47. Will it support Event Master Gen 2 Input / Output cards?

Answer: No, it will not, it's a new platform/architecture.

48. Can you map the output of the first bus to an input on the second bus if you want the second bus to follow the first bus for some things, but still have the flexibility to switch to a separate source on the second bus?

Answer: Yes, the unit will have functionality like that

49. Is each input 4K 4:4:4?

Answer: Inputs follow the standards. HDMI for example will support UHD@60p 4:4:4 8bit or 4:2:2 12bit. SDI supports 12G Smppte standard of 10bit 4:2:2@60p

50. Will you be able to save/load show files or presets on the USB?

Answer: Yes

51. Can the PDS-4K be used in combination with an LED wall?

Answer: Yes, the PDS-4K can be used with LED walls, it has the Area Of Interest Function which makes an LED wall setup simple and easy.

52. Can we do wide screen and blend configuration?

Answer: No, the best option here would be a S3 Build-to-order solution, please reach out to your Barco Representative for a Quote on a S3 BTO.

53. Can I output 2160p50 via HDMI and get a 1080p50 copy of it via SDI?

Answer: Not on the same processing channel. You could use Program 1 to output 2160p and use Program2 to output 1080p50

54. Do the HDMI and SDI outputs work simultaneously in PDS-4K SDI version?

Answer: Yes, however the output format must be supported by both connector types.

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