# 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 2.0 inputs & outputs (R9009650) and one model with additional 12G-SDI inputs & outputs (R9009651).

### 3. Is there a way to add even more Input/Output functionality?

Answer: There is one slot for an option card. The first card available is the 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 representative 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 is CCC/KC and BIS approved.

### 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 started shipping in Q4/2020.

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

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 passthrough available in the PDS-4K?

Answer: An option card slot is foreseen in which you can plug the optional card: DP 1.2 + Audio. This slot adds 2x DP1.2 inputs, audio passthrough and (de)embedding to a Dante audio network(s).

**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 PiPs on top of a still/matte background or a Single Pip on a Live (the lower Z PIP) Background.

**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 a maximum of eight (8) still stores up to UHD resolution.

**15. How many outputs can you use simultaneous?**

Answer: There are two system modes available. One for processing two discrete program channels with inputs and outputs up to UHD at 60 frames per second. The other mode is for processing four (4) discrete program channels with inputs and outputs up to UHD at 30 frames per second

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

Answer: Clones (or splits) must be at the same video format but may be output in a different color space.

**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 with each other. However, you can control them from the same GUI as different systems. You may also use External Device Controls and Cues from the E2 to send preset recall commands to the PDS-4K.

**18. Can the PDS-4K handle Custom video formats (inputs & outputs)?**

Answer: Yes. The PDS-4K can take advantage of user created custom formats up to 3840x2400p60

**19. What is the best way to differentiate the PDS-4K from the ImagePRO-4K.**

Answer: The ImagePRO-4K is a scaling format converter that is able to utilize Event Master's second-generation input/output cards. It has a Genlock Input and a Genlock Generator. The PDS-4K is a Presentation Switcher with a new platform, that can accommodate up to 10 4K60p inputs and 2 independent switch channels with PiP capabilities, plus a UHD multiviewer.

**20. Will there be an Event Master simulator version?**

Answer: Yes, every version of Event Master Tool Set from 8.0 and higher will be able to simulate a PDS-4K unit.

**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 8.0 and higher.

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**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-4K 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: 1024x768 (XGA)

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

Answer: Both, all inputs (and program channels) de-embed and all program 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 be able to have a border? What about support for keying?**

Answer: Yes, a hard-edged border can be applied to one, or both, PiPs. In Q4 2021 we will add support for Luma and Chroma keying.

**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, since the initial release.

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**35. 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.

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

Answer: Yes, this is possible since the 8.1 firmware was introduced. Starting in 8.2 we also allowed Cues to be mapped to the front panel buttons as well.

**37. Will Dante's™ de/embedding routing be managed from a new Event Master's menu?**

Answer: No, the Dante™ Controller, which is a free download, will be used

**38. 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

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

Answer: They are exact copies of 1A and 2A, respectively, but can have a different color space.

**40. 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.

**41. 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 Presets/Cues can be done via the front panel menus.

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

Answer: At initial release that includes support for audio, each input and output will support two channels, typically Left and Right.

**43. 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.

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

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

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**45. 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

**46. 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 SMPTE standard of UHD@60 10bit 4:2:2.

**47. Will you be able to save/load show files or stills on the USB?**

Answer: Yes

**48. 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.

**49. 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.

**50. 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

**51. 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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