



**d3technologies**

4x4pro  
VFC Installation Guide

# d3 Technologies VFC cards



d3's user replaceable VFC cards enable users to drive up to 16HD outputs as DVI or SDI (1080p), or 4x4K DP1.2 from a single d3 4x4pro system. Large multi-projector shows can be delivered with fewer machines, no downstream splitters, and practically no signal latency.

VFC output cards are an industry first: no other media server on the market offers the ability to gracefully transition from HD to 4K as 4K proliferates. As new signal standards gain popularity, d3 Technologies will release new output cards to handle them.

The d3 4x4pro ships standard with 4x DisplayPort 1.2 outputs, giving you 4x4K outputs plus an extra output for your control GUI. Quad-DVI and Quad-SDI cards are available as accessories, allowing you to change cards as your production demands it.

The d3 4x4pro can Push Every Pixel<sup>®</sup>, playing up to 8 layers of 4K video / 32 layers of HD video (compressed DXV/HAP codecs at 30fps), or up to 2 layers of 4K video / 8 layers of HD video (uncompressed Animation codec at 30fps), with canvas sizes up to 16K pixels.



*Shown from left to right: DP1.2, Quad-DVI, Quad-SDI*

# Changing VFC cards

Please note: Take steps to ensure you are free of static electricity before starting the procedure and ground yourself appropriately. We recommend the use of an anti static wrist strap as well as an anti-static mat if one is available.

Users can change VFC cards as they require. You can replace one or multiple cards. The following steps are a guide to help users change over VFC cards. Please read carefully to ensure best practice. If the system does not work after following these instructions, do not force the VFC cards but call d3 Support as per the contact details on the last page of this document.

**Step 1:** Disconnect the system from all sources of power: remove the power cord from input and output, before changing the VFC cards.

**Step 2:** Using a Phillips #1 screwdriver loosen the 4 x retaining screws on the VFC card you want to replace. The screws are indicated with a red line in the image below.



Red lines indicate screw location. Example shows DP1.2 VFC cards

# Changing VFC cards



**Step 3:** Lift the latch on the top right corner of the card and gently remove the card from the rear of the unit by pulling gently as shown in the images below.

Please Note: The VFC cards are fragile, be sure to pull straight not flexing the card and if under any resistance do not to use excessive force. Avoid touching the exposed electronics.



# Changing VFC cards

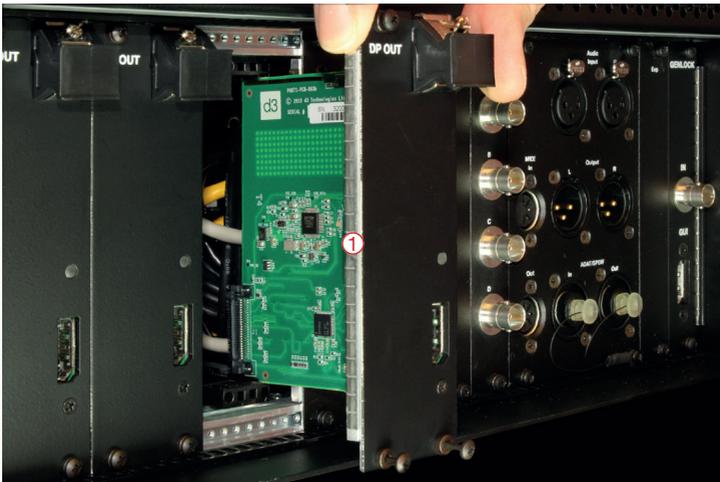
**Step 4:** Gently place the removed card into the anti static box provided with your purchase.

**Step 5:** Gently insert the new VFC card into the vacant slot, being careful to line the card up with the black plastic guides both at the top and the bottom of the system, as indicated for the bottom with red lines in the image below.



1 - Grounding spring

Please Note: The top and bottom of the card needs to slide into the guides. Be sure that the grounding spring maintains its fixed position to avoid jamming when re-inserting.



# Changing VFC cards

**Step 5:** Once inserted into the guides make sure the card is fully flush with the rear of the server by gently and firmly pressing in the centre of the VFC card, as indicated in the image below.



**Step 6:** Replace the four retaining screws before repeating steps 1-3 for next the card. To reduce the risk of damaging the threads, do not to apply excessive torque to the screws. It is easiest to change the cards starting on the right hand side, and it is advised to do so regardless of the amount of cards you need to change.



# General information

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VFC cards are currently only available for the d3 4x4pro.

Should you have questions or issues with this product, contact d3 Technologies' Support department for assistance. Only certified technicians should attempt to repair components. Do not try to force the cards if they do not go in or out easily, instead, contact d3 Support for assistance.

Ultimate disposal of this product should be handled according to all regional and national laws and regulations.

# Support



## Helpful contacts

Support Team  
Training Team  
Sales Team

[support@d3technologies.com](mailto:support@d3technologies.com)  
[training@d3technologies.com](mailto:training@d3technologies.com)  
[sales@d3technologies.com](mailto:sales@d3technologies.com)

## Helpful resources

Hardware Manual  
User Guide  
Video Tutorials

[pro.d3technologies.com](http://pro.d3technologies.com)  
[r12.d3technologies.com](http://r12.d3technologies.com)  
[tutorials.d3technologies.com](http://tutorials.d3technologies.com)

## Helpful weblinks

d3 Trial  
d3 Software Updates  
d3 Webshop

[d3technologies.com/contact/enquiry](http://d3technologies.com/contact/enquiry)  
[download.d3technologies.com](http://download.d3technologies.com)  
[store.d3technologies.com](http://store.d3technologies.com)

## Regional:

EMEA Sales Manager

Sarah Cox  
+44 207 234 9840

Americas Sales Manager

Hans Beijer  
+001 (305) 965-2817

APAC Sales Manager

Chris Bird  
+44 207 234 9840