

# INSTALLATION GUIDE

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## HVS-2000DVE

HVS-2000 Series 3D DVE 4ch Card

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## HVS-2000DVE-EX

4K Format Expansion for HVS-2000DVE

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2<sup>nd</sup> Edition

# Upon Receipt

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HVS-2000DVE is a 3D DVE card that can be installed into HVS-2000 switcher main units. An HVS-2000DVE card supports 4 channels of 3D DVE.

HVS-2000DVE-EX is a 3D DVE card that can be installed into HVS-2000DVE cards. An HVS-2000DVE-EX card supports 6 channels of 3D DVE in a 3M/E configuration. 4K format high quality image 3D DVE images are also available.

## Features

- Enable 3D DVE (Warp effects).
- Smoothing filter to remove jagged edges for reduced video images.
- Add three-dimensional preset effects (Page turn, Page roll, etc.).

HVS-2000DVE cards are fully inspected and adjusted prior to shipment. Check your received items against the packing list below. Check to ensure no damage has occurred during shipment. If damage has occurred, or items are missing, inform your supplier immediately.

### ◆ HVS-2000DVE

ITEM	QTY	REMARKS
HVS-2000DVE	1	3D DVE card for HVS-2000
Installation guide	1	This guide

### ◆ HVS-2000DVE-EX

ITEM	QTY	REMARKS
HVS-2000DVE-EX	1	3D DVE card for HVS-2000DVE
Power supply cable	1	HVS-2000DVE-EX power supply cable (Installed when an HVS-2000DVE-EX is supplied with an HVS-2000DVE.)
Stud screw	4	For installation
W sems screw	4	For installation
Installation guide	1	This guide

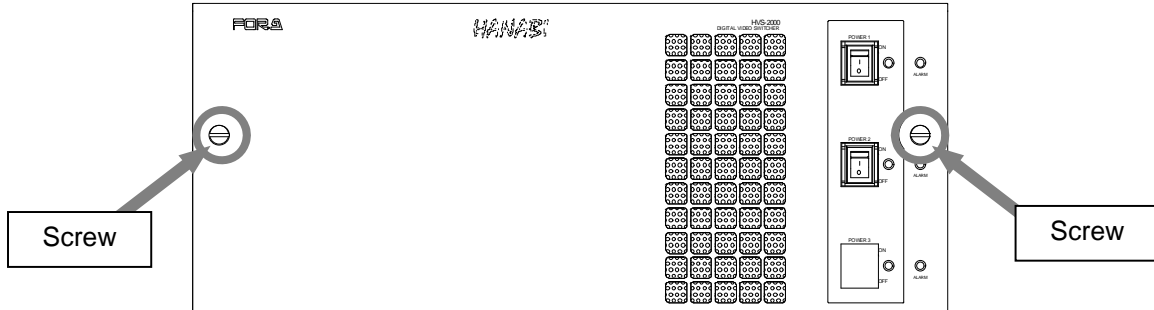


Card installation should only be performed by qualified technical persons. Before installing cards, turn the HVS-2000 power OFF and unplug the power cords.

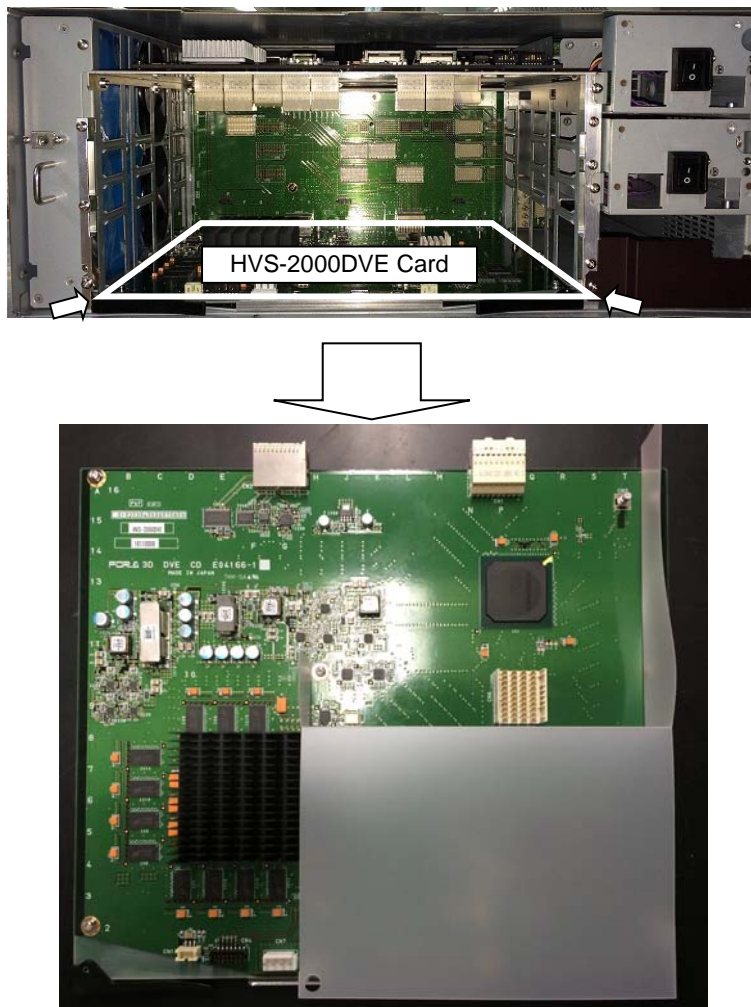
# 1. HVS-2000DVE-EX Card Installation

If you have purchased an HVS-2000DVE-EX only, follow the procedure in this section.  
If you did not purchase an HVS-2000DVE-EX card or purchased an HVS-2000DVE-EX card together with an HVS -2000DVE card, skip this section and proceed to section 2.

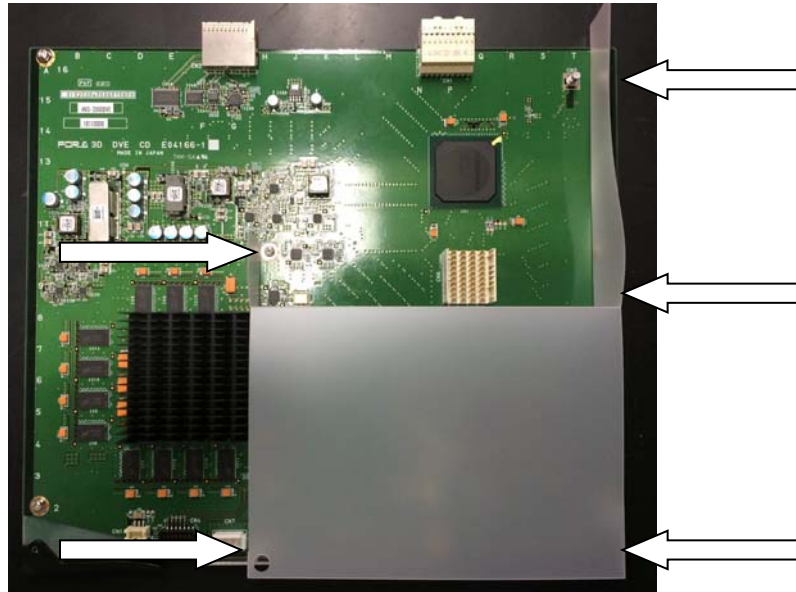
(1) Release the two screws on both sides securing the front panel to remove the panel.



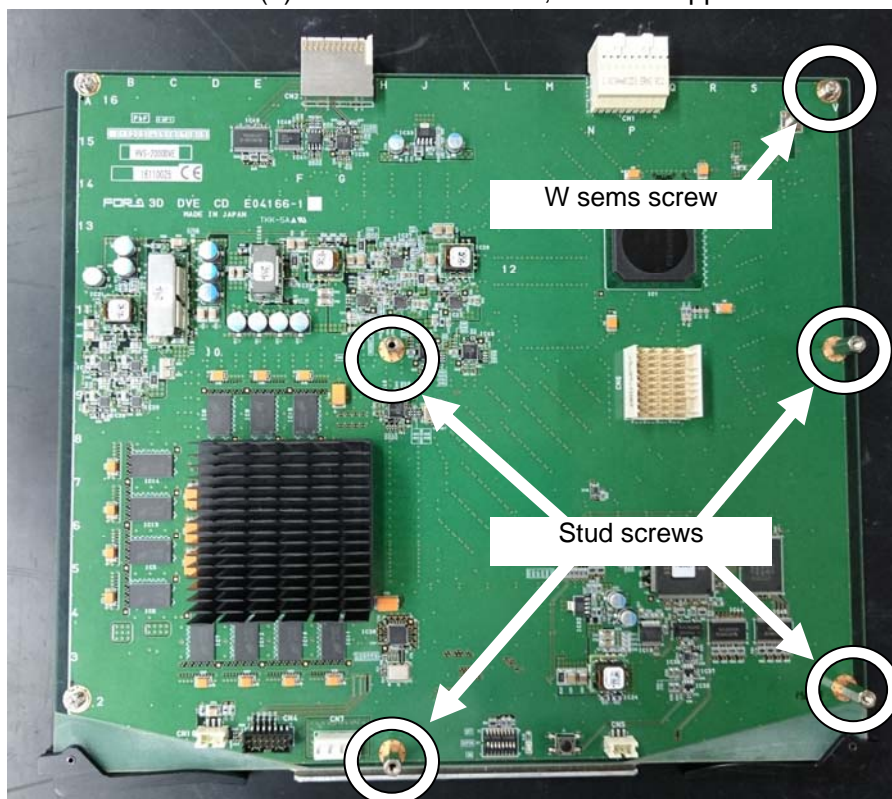
(2) Pull out the HVS-2000DVE card from the bottom slot.



(3) Release the five screws on the HVS-2000DVE card and remove the duct. Keep the removed duct in a safe place.



(4) Put the released screws back into the HVS-2000DVE card as shown in the following figure. If the screws to fix the duct in (3) are not stud screws, use the supplied stud screws.



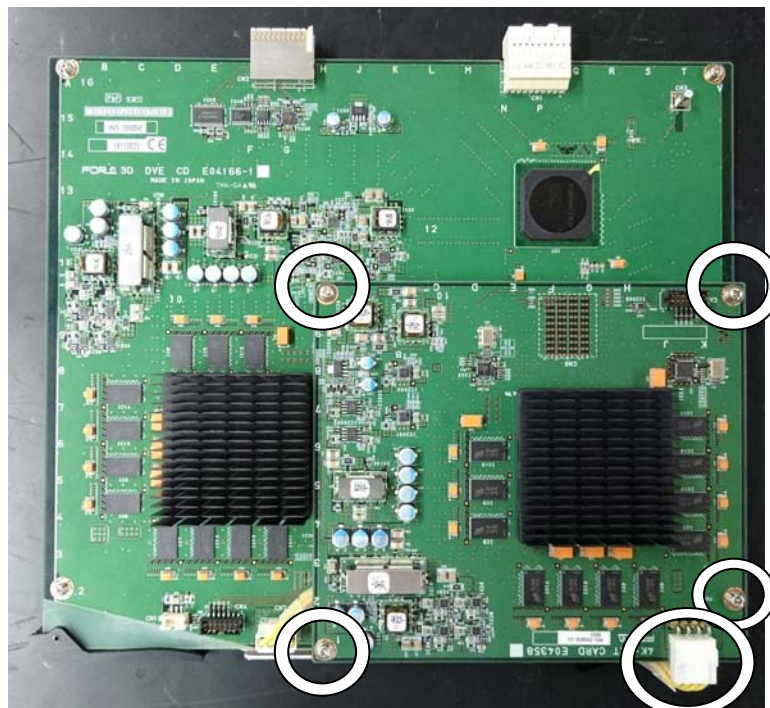
(5) Connect the supplied power cable with the connector as shown in the following figure.



(6) Install the HVS-2000DVE-EX card on the HVS-2000DVE card. Install the HVS-2000DVE-EX card over the power supply cable.



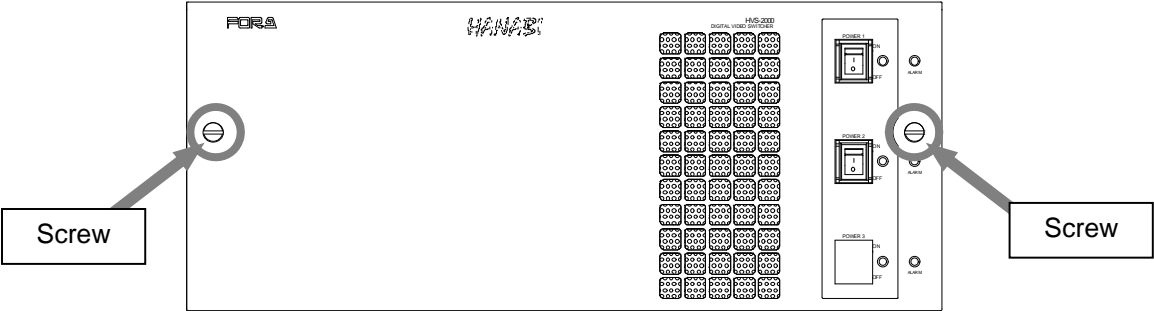
(7) Apply the supplied W sems screws onto the four corners of the HVS-2000DVE-EX card. Connect the power supply cable to the connector.



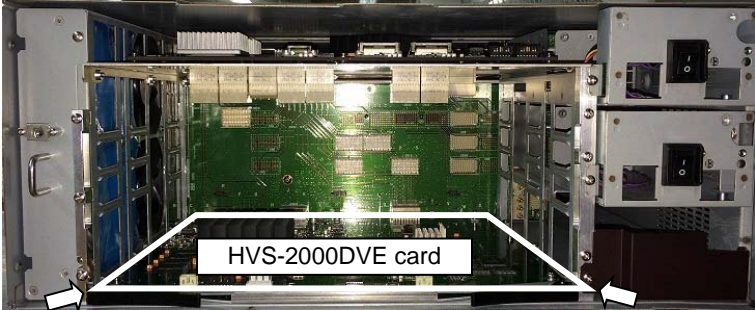
(8) Go to Sec. 2 "Installing HVS-2000 Cards."

# 2. HVS-2000DVE Card Installation

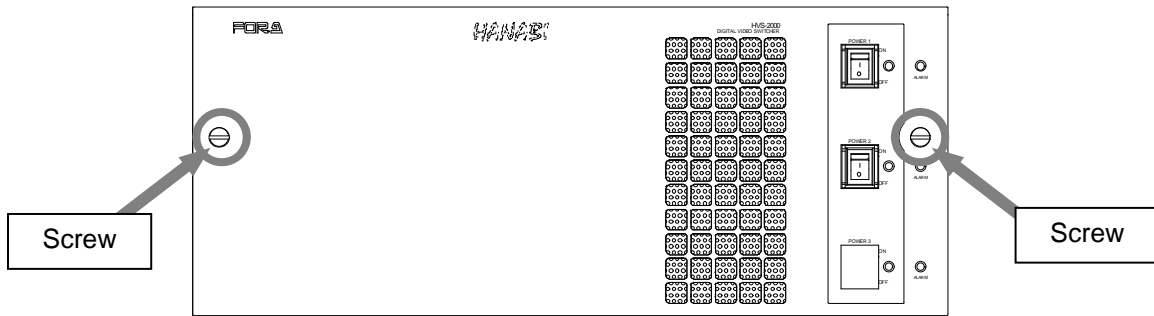
(1) Release the two screws on both sides securing the front panel to remove the panel.



(2) Insert your HVS-2000DVE card into the bottom slot.



(3) Tighten the two screws on both sides to secure the front panel to the chassis.



### 3. Checking the Menu

(1) Connect power cords and power ON the switcher system. Open the STATUS menu to verify that the HVS-2000DVE and/or HVS-2000DVE-EX is properly displayed in the menu.

- ① Open [**STATUS > OPTION**] menu.
- ② Check that "**INSTALLED**" is displayed for **HVS-2000DVE**.  
Check that "**INSTALLED**" is displayed for HVS-2000DVE-EX when HVS-2000DVE-EX is installed. (See the figure below.)



(2) Open a [**MODIFY > WARP**] menu (such as [**M/E FLEXaKEY > M/E2 > KEY1 > MODIFY > WARP**]) to verify that the 3D DVE is functional.

See "Pattern Transition" and "DVE Effects" in the HVS-2000/OU Operation Manual for details on 3D DVE operation.



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