The unit comes with 2 SSD Cards that hold 512 Gigs of data each. Load them into the Gemini by flipping down the metal doors in the back of the unit and sliding the cards in. They only go one way so don’t force them. Insert them with the sata connection towards the unit and the labeling facing up.
Power connections for the Gemini

When the unit powers on you will see both green lights signaling both SSD cards are being accessed.

Next step is to format the SSD cards.

Click on “Menu”
Click on "Gemini" SSD's > Format Both – OK

Formatting please wait – Takes about 1 min per card to format
Each card is about 512 gigs

Gemini does support spanning but try to avoid it.

Next go to the "Setup" menu and set that to
>Project>Frame Rate> Follows Input

This will set the Gemini to record the same frame rate as the camera is outputting.

Set the Gemini to start recording when the camera starts recording.

Go to Menu>Record>Trigger>Camera

Menu>Record>Trigger>Camera will set Gemini to be controlled by camera
On the back of the PMW – TD300 plug the L out and R out into the Gemini SDI A and B input.

Plug the "L" out of the PMW-TD300 into the SDI A Gemini input and the "R" out of the PMW-TD300 into the SDI B input of the Gemini.
The stylus or the tip of your finger can be used to access the menus.

Press the second button to the right of the lower left hand corner to see the input status. The unit will auto detect the input of the camera and set the recording device to the input settings.

Turn on 3D Recording
Go to >Menu>

Go to >Setup>Mode>3D DPX
May need to restart after selecting 3D DPX if the setting was not set previously.

Settings on the PMW-TD300 that need to be set:

On the side of the camera under a plastic cover there are the menu buttons.

Press “Menu”

Go to the “Format” settings – set to this screen grab.

Set 2D/3D to 3D

System Frequency 23.98

Rec Format HQ1920
Go to the “Output” tab and set the Signal Format to these settings

Signal Format – HD
23.98 Output – SDI PsF
SDI output L and R On

Set the rest of the Output settings to these

Go to Maintenance menu>Camera Config>HD SDI Remote I/F>Chara

Set the camera to control the recording of the Gemini
Note to see the RECORDING settings you need to touch the stylus to the “REC” button.

Clicking on “PLAY” will put the Gemini in Clip playback mode.

If you click on the "1080PSF23 4:2:2 3D" button on the Gemini you will see the “Input Status”.

The unit Input Status shows that the PMW-TD300 is sending out SDI 1080PSF 23.98 4:2:2.
Connect the SDI A and SDI B out of the Gemini and connect it to a Monitor for On Set 3D viewing.

Set the Gemini Output Settings

LCD A 3D set to SXS
Output Settings

LCD B 3D set to SXS

On the 3D television set the 3D setting to read a Side x Side input signal that is being sent by the Gemini via the SDI A and B out.
When you press the Record button on the PMW-TD300, the Gemini will light up red when in record.

Click the "Back" arrows to return to the "Menu".
When you go to SSD Info

You can click on either card at the top of the window and see what data is on the card.

You have to safely eject the cards before you can look at the data on the cards.

Click on “SSD Safe Eject”
Choose to Eject cards 1&2

The data will write to the cards. Do not remove cards until finished.
The confirmation menu will tell you it is safe to remove the cards with the SSD Eject Succeeded display.

Remove the cards and load them into the USB card reader in the Gemini Kit.

Connect the USB to the computer to offload the media.