

## Release Notes

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### Model: SE-3200/HS-3200 Firmware Release Info

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**Apr. 26, 2024**

Firmware Versions

- S/W v1.3.1.9
- K/B v1.7.5

File name: se3200\_2600\_USB\_v1319(noAA)\_kb\_v175\_106\_boot\_install

#### Issues

1. Fixed the issue of not displaying Logo 1,2 after CK Auto.
2. Improved the noise issue for the SE-2600 OSD, Logo, Sti111,2. Force close the AA-filter of SE-2600, so that the MV/PIP quality is the same as SE-3200.
3. Improve FlexSrc PIP, when border off, you can use crop/soft to make no extra frame line.
4. Improved USB Boot Upgrade Compatibility: Upgraded to work with some older USB flash drives with slower boot speeds.

**Note: If there is no screen after upgrading, restart the computer once to complete the upgrade.**

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**Apr. 02, 2024**

Firmware Versions

- S/W v1.3.1.8
- K/B v1.7.5

File name: SE-3200 & HS-3200 usb v1.3.1.8\_kb1.75

#### Issues

1. Improved the abnormal MV issue for SE-3200 MB startup.
2. Improves possible horizontal line noise in Clip transitions.
3. Support DHCP mode fallback IP 192.168.100.30, when DHCP mode is on and no router is connected, this IP will be jumped after 50 seconds.
4. Fixed Simplified Chinese Translation

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**Nov. 03, 2021**

Firmware Versions

- S/W v1.1.2.1
- K/B v1.7.5

File name: SE-3200 & HS-3200 usb v1.1.2.1\_kb1.75

#### Issues

1. Fixed the issue that when the Ethernet-related settings are lost, the IP address will become 169.254.x.x

when the SE-3200 or the HS-3200 is turned on. The device will check the Ethernet Configuration file when the SE-3200 or the HS-3200 is powered-on. If the file size is 0, the IP address will become the default IP address 192.168.100.101.

2. Fixed the issue that when the last memory is lost during the device is powered on, users will see the MV output format to become Input x 8.
3. Fixed the issue that there is no image for the Multiview when the HS-3200 is powered on. The device will check the boot\_delay\_config correction file. If it exists, the video output will be switched again for showing the image on the LCD. However, it needs extra 11 seconds for finishing the system booting.
4. Improved some simplified Chinese translations.

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## **Jul. 13, 2021**

### **Firmware Versions**

- S/W v1.1.2.0
- K/B v1.7.5

File name: SE-3200 & HS-3200 usb v1.1.2.0\_kb1.75

### **Issues**

1. Fixed the color difference of the HDMI input/output.
2. Added RGB444/YUV444/YUV422 option for the HDMI output in the OSD outputs menu, if the YUV output is selected, it can assure the color consistency with the SDI output, which is also YUV, on the monitor.
3. Fixed the issue that when the PIP+Chroma key position is moved to the lower side of the screen, it can not be aligned to the border. It will cause the unnatural issue for the composite image.
4. Fixed the issue that when the 720p is used for the Chroma key Auto sampling, it may cause the system crash or the poor result issues.
5. For the kb1.75, it fixed the issue that when the T-bar is used for transitioning, if the T-bar is not moved for a long time and then when you move the T-bar to both sides rapidly, it will cause the issue that the software will spend a long time for finishing the transition effect.
6. The VID/PID commands response for the DVIP protocol is supported.
7. Fixed the Chinese subtitle translation.

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## **Apr. 17, 2020**

### **Firmware Versions**

- S/W v1.1.0.4
- K/B v1.7.4

File name: SE-3200 & HS-3200 usb v1.1.0.4\_kb1.74

### **Issues**

1. Enable FPGA internal 200Mhz termination resistor to solve the issue that some input screens will become abnormal once the device is powered on for a period of time.

2. Add Shrink and Edge Soft function for Chromakey.
3. Add rounded rectangular for the PIP border.
4. Add FlexSrc 2. Users can use Keyboard hotkey to switch the PGM, PVW, AUX, KEY 1~4, DSK 1~2 sources to be the FlexSrc 2. FlexSrc 1 & 2 can select 1 to 4 PIPs that can be used by the FlexSRC1 & FlexSrc 2 together. Moreover, The FlexSrc 1 and FlexSrc 2 have their background respectively. The keyboard hotkey can switch between the FlexSrc 1 and FlexSrc 2 repeatedly (LED signal: Blue/Orange) according to original FlexSrc buttons.
5. Add the options, Preset 3 and Preset 8 for achieving the goal that the input source screen will not be covered by the input source title for the MV mode. This function must be set according to following path.  
OSD -> Output -> Multiviewer -> Label Info = Expd

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## Feb. 21, 2020

### Firmware Versions

- SD Card Image v0.999B
- USB Import Packs for Still 61~124

File name: SE-3200 SD Card Image v0.9.9.9B with OS v1.0+kb v 1.73/ USB Import Packs for Still 61~214

### Issues

1. Fixed the still 61~124 for deleting the Five-Starred Red Flag and modifying some blurred stills.
2. Added the still 125~214. There are 90 Virtual Set stills (15 sets x 6 angles) which are added.

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## Aug. 21, 2019

- USB V0999A+ K/B v1.7.3

File name: SE-3200 firmware update usb\_v0999A\_kb173

### Issues

1. When users use the 1080p/1080i video outputs, the up/down conversion of the 1080p/1080i/720p input signals are supported. The 720p output is not supported for input conversion, all of the input signals must be 720p.
2. Added the second MV output. There are 9 default layouts can be selected by users. (Outputs/Multi-Viewer MV1, MV2= Preset 1 to Preset 9. Moreover, it provides 8 user-defined layout (Currently, those are shown in black screen. However, those user-defined layouts can be imported in the future)
3. Built-in title overlay system (TC-200) is provided for applying in 4 HDMI inputs.  
Note: Please pay attention that the HDMI input resolution must be the same with the system resolution for preventing the input conversion. Some models of the NVIDIA graphic cards have compatibility issue.
4. Supports analog Genlock. (Supports BB and 3-level synchronous signal). The output instability issue of the 1080i/720p when the BB is synchronously locked in the firmware version v0.9.9.6.

5. Supports SDI 1080p Level A/B signal inputs (The output is fixed at SDI Level A).

6. Added SDI down-conversion for the 1080i/720p output for the SDI out 5.

Note: The Setup/Outconv resolution must be set at the beginning of the operation. If the down-conversion format is changed during the program production process, it will cause the flickering issue for other SDI output signals.

7. The audio input/output delay function is added.

Note: The maximum delay for the total input/output audio delay must be within 340ms.

8. The SDI or HDMI output can be set as the FlexSource.

9. The PGM/PVW window of the MV output can be exchanged.(Outputs/MultiViewer/L,R: PVW/PGM).

10. The Key Tie function is added. The foregrounds and backgrounds of 4 keys can be linked for switching. The key 1 to key 4 can be set to bundle with the selected input (background). After the key is activated, this key will be turned on/turned off/switching according to whether the PGM/PVW is selected to be foreground or background.

Note 1. Because the PGM or PVW is equal to background, so, if the PGM/PVW is selected to be foreground, the indicator will switch to the tied background automatically according to the key tie setting.

Note 2. When there are multiple keys which are bundled with the same background, the effect that many foregrounds are covered to the same background. It's recommended to select the background for switching rather than the foreground for preventing the flickering issue.

11. Hotkey is added for the KB for selecting the AUX output.

Please short-press the FS key, after the light is flashed, users can select AUX1~9 by pressing the PGM row. (Corresponding to SDI OUT 1-6, HDMI OUT 1-3). And then, please press the PVW row to switch for 22 sources. (Press the BLK button. If it is shown in green, inputs 1-12 are selected. If it is shown in blue, there are 10 combinations).

Note: The synchronous corresponding switching can be shown from the OSD menu/Outputs/contents of the SDI 1~6 of the Output/HDMI 1~3.

12. There are 64 new virtual scenes which are added in the new SD card. The image imported by USB function will be added in the future for the existing models for downloading new pictures.

13. The HDMI IN compatibility issue is solved for the v0.9.9.6 version of the SE-3200.

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## Jul. 22, 2019

- USB V0996+ K/B v1.7.2

File name: SE-3200 firmware update usb\_v0996\_kb172

## Issues

1. When the 1080p/1080i output are used, the input format up-down conversion is supported for 1080p/1080i/720p.

Note: The 720p output is not supported by the input conversion. For the 720p output, all inputs must be 720p.

2. The second MV output is added. There are 9 default layouts that can be selected by users (Outputs/MultiViewer MV1, MV2= Preset 1-9). Moreover, there are 8 user-defined layouts (MV1, MV2=User 1-9). Those 8 users-defined layouts are black screens at present, they can be imported by users in the future.
3. There is a built-in title overlay system (TC-200) (It can be used for 4 HDMI inputs). Please make sure that the HDMI input resolution must be the same as the system resolution to prevent the compatibility issue for some NVIDIA graphic cards from happening during the input conversion process.
4. The analog GenLock signal is supported. (The BB and tri-level sync signal are supported). The tri-level sync lock is normal. However, the BB sync lock is unstable for the 1080i/720p outputs.
5. The SDI 1080p Level A/B signal inputs are supported (The output is fixed at SDI Level A).
6. Down-converting for 1080i/720p outputs is added for the SDI OUT 5.

Note: The Setup/OutConv resolutions must be set at the beginning of the operation due to that it will cause blinking for other SDI outputs when the down-converting format is modified during the Program Production process.

7. The audio input/output delay function is added.

Note: The maximum total delay time for the input/output audio delay is 340ms.

8. The SDI or HDMI output can be set as FlexSource.
9. The PGM/PVW windows for the MV output can be swapped. (Outputs/MultiViewer/L,R:PVW/PGM).
10. The Key-Tie function is added for linked switching for the foregrounds and backgrounds for 4 sets of keys. The key 1~key4 can be set to tie to the selected inputs (backgrounds). After this function is activated, those keys will be turned on/off or switched automatically depending on whether the PGM/PVW is selected to be foreground or background.

Note 1. Due to that the PGM/PVW are equal to backgrounds. So, if the PGM/PVW are selected to be foreground, the LED indicator will be switched to be tied to backgrounds automatically according to the Key Tie settings.

Note 2. When there are many foregrounds which are tied to the same background, it will cause the outcome that a single background will be overlaid by many foregrounds. It is recommended that for PGM/PVW, users should select background for switching rather than foreground for preventing the blinking issue from happening.

11. Hotkey is added for KB for the output selection for AUX.

- Please short-press the FS button.
- After the indicator is blinking, please press the AUX1-9 buttons from the PGM row. (Those AUX 1-9 buttons are corresponding to SDI OUT 1~SDI OUT 6 & HDMI 1~HDMI 3).
- After that, please press your desired button from the PVW row for switching between 22 sources. (Please press the "BLK" button, if the button is lit in green, it means that the input 1~12 can be selected, if the BLK button is lit in blue, there are 10 combinations that can be selected by users).

Note: Users can see the synchronous corresponded switching from the contents of OSD Menu/Outputs/the SDI 1~6 & HDMI 1-3.

12. 64 virtual sets are added for the new SD Card image file. Still image importing through USB function will

be provided through future software update for the sold devices for them to download new still images.

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### Jun. 3, 2019

- Keyboard bootloader v1.00 & FW v1.69

File name: SE-3200 firmware update keyboard bootloader v1.00 & FW v1.69

### Issues

1. In semi-finished product testing, please burn this bootloader to combine with the S/W v0.9.6.8+KB v1.69 and then users can do the KB firmware upgrading without powering on the device for saving working hours.

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### Jan. 09, 2019

Firmware Versions

- S/W v0.9.6.8
- K/B v1.6.9

File name: SE-3200 firmware update v0.9.6.8 + kb v1.6.9

### Issues

1. Fix the issue that the CK Auto has no effect for key 2~key 4 (The Chromakey parameter will be wrongly set to key 1).

2. The Keyboard firmware supports 7 levels of the LED brightness selection. The original level 1 ~level 5 LED brightness modes are moved to level 3~level 7. Low brightness level for level 1 and level 2 is added for dark room application.

3. In this keyboard firmware, the new function that if the DSK1, DSK2 and PGM buttons are long pressed, the DSK Key/Fill Source function can be quick selected by the user is added.

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### Dec. 18, 2018

- S/W v0.9.6.7

File name: SE-3200 firmware update v0.9.6.7

### Issues

1. With software v1.5.0.6, you can see the new SD card version "OS: v1.0" in the lower right corner of the OSD Setup menu.

Note: There is no version display function for the single partition SD card, so it is easy for you to tell the difference between the new version/old version SD card.

2. Fixed picture error of pre-loaded Still 57.

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**Oct. 19, 2018**

- S/W v0.9.6.1

File name: SE-3200 firmware update v0.9.6.1

### Issues

1. Improved Ethernet connection compatibility issue. The OSD setup menu can support Static IP/DHCP switching and network def.
2. With the newly released SD card image SE3200/HS3200-14GB-v0961-kb166-dvip (325t).img, the SE-3200/SE-3200 can support 1Gbps Ethernet and DVIP (The Ethernet cable and router must be connected in advance before booting the system). Moreover, the system can be found by the DVIP IP Finder. The SD card free space is increased. When the system is connected by the PC App, the word "Free Space=1000+ Frames" is shown.
3. Solved the issue that when DVE transition is executed, the dark black will become brighter.
4. When running Factory Default, the SDI out will return to the "PGM" output which is the default value and the Keyer will return to Key 1 position
5. Improved the Auto Chromakey no response issue and the Auto Chromakey can be used when the source is Flex Src.
6. The Key/Fill Source function is added for the Flex Src.
7. Fixed the issue that When Audio source= External, the abnormal jumping problem will occur for the MV Audio Indicator.
8. Solved the asymmetry issue for the left side/right side of the Flex PIP X position.
9. Added the function that the version No. will be displayed on the PVM row once the Menu button of the keyboard is pressed during the power On LED scanning.
10. When the FS button on the keyboard is pressed, the keyboard will light up in blue. If the brightness=5 is set, it will achieve maximum brightness for improving the outdoor recognition. (SE-3200 CTL needs to use 12V/2A adaptor).
11. Improved the HDMI in EDID compatibility with KMU-100 or Notebook PC and then video can be displayed properly.

**Sept 19, 2018**

Firmware Versions

- S/W v0.9.5.3
- K/B v1.6.1

File name: SE-3200 firmware update v0.9.5.3 + kb v1.6.1

**Issues**

1. Improved the stability issue in system booting.
  2. Improved the HDMI input/output compatibility issue.
  3. Improved the distortion issue of the SDI audio input.
  4. Improved the issues that the keyboard firmware will be updated abnormally in booting and the version No. will be shown in Ver. 0.0
  5. Improved the stability issue for switching resolutions. Moreover, the desired resolution can be selected directly from the dialogue box.
  6. The SE-3200 Controller v0.9.5.3.exe is the PC App for importing Still/Clip/Logo/Ani Logo only. This SE-3200 Controller v0.9.5.3.exe file is for the SE-3200 & SE-3200 only, for other switchers, please do not use this file. It is recommended to use this PC app by keyboard. The SwitcherImageEx software for the SE-3200 will be provided in the near future for replacing this file.
  7. The resolution for 1080i was improved. However, if the object is moved or the object is used for PIP function, it is possible to see the sawtooth edge. It is recommended to use the 1080p resolution.
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