

MPES-3D01 Stereo Image Processor Software

Release Note / FAQ

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Sony Corporation

1. Release Note

The release object of MPES-3D01

File Name	Version	Release Date	Size
MPES-3D01-1.10_install_package.zip	1.10	2010/5/21	34,482,502 Byte

This is the dedicated software for the MPE-200 Multi Image Processor.

Installing procedure is explained in the User's Guide of MPES-3D01 at the chapter 2 "Preparations".

(Note) It is necessary to update the MPE-200 before installing this software.

Updater of MPE-200

File Name	Version	Release Date	Size
mpe200-1.10-100428-update.zip	1.10	2010/5/21	19,476,623 Byte
MPE-200_1.10_update_package.zip	1.10	2010/5/21	5,964,711 Byte

Main Features

- ◇ Additional Video formats
 - 1920x1080 23.98PsF, 24PsF, 25PsF and 29.97PsF
- ◇ Depth Guide
 - Depth Guide is prepared on the lower third of the Waveform Monitoring Display
- ◇ Zoom Link
 - Focal Length information brought by several types of camera can be used for Camera Alignment and Convergence settings. The data is embedded on the VANC data payload.
- ◇ Assistance dialog for the optical axis adjustment
 - Easy setting method for optical axis adjustment is supported.
- ◇ GUI control by a 3D mouse
 - Two types of controller from 3DConnexion are supported.
- ◇ Additional input mode
 - Clone and Side by Side input mode are supported at left video input.
- ◇ Stereo Monitoring
 - Disparity Guide and Depth Budget are supported.
- ◇ Floating Window
 - To reduce the miss-matching of the 3D images at the left and right side of the monitor frame, edge crop function is supported.
- ◇ Additional Stereo Monitor Formats
 - Difference Y, Checkerboard and Split Screen are supported.

Note in operation

- ◇ In case of changing system mode or Gen. Lock Signal Source please do not use “Reset to Processors”, but use “Shutdown the System” and turn on the processor again.

2. FAQ

Installation

Symptom	Cause	Treatment
The Management Utility or the SIP Software can not be installed correctly.	Required files may not be copied to the root directory of the USB storage.	Please confirm the all related files are copied to the root directory of USB storage.
	The objects contained in the folder “reodata” do not correspond to the objects from the Install Package.	Each Install Package has its own files in the “reodata” folder, so this folder can not be used for the other software installation. Please confirm the folder “reodata” has been copied correctly from the Install Package which is extracted.
A serial port of the computer connected to the RS-232C connector on the rear side of the MPE-200 can not establish connection in “Console Mode”.	<ul style="list-style-type: none"> - After pressing ESC key, it is late to press Shift and C keys. - Shift and C keys have not been pressed at the same time. - Caps Lock feature is enabled. - Terminal software is not working well. 	<p>After restarting the terminal software or after restarting the PC, the communication may be established.</p> <p>If IP address set to the MPE-200 is known, it is possible to connect to MPE via Ethernet. In this case please use the terminal software which supports SSH2 mode. The default IP address setting of the center rear port is 192.168.0.2. (SSH2: Secure Shell Protocol 2)</p>
Is there compatibility of the setup and snapshot data between V1.0 and V1.1?		There is no compatibility of setup data with V1.0. It is recommended to make notes if necessary before upgrading the software to V1.1. There is compatibility of snapshot data.
Can we use the open network such as office network infrastructure for the connection between SIP-GUI and the processors?		It is recommended to prepare closed network for this purpose. If this system is connected to the network which handles huge data transfer or holding bad signal quality, re-sending of data often happen by the network architecture and this may make you feel uncomfortable in the quick operation of the SIP-GUI software.
It is hard to obtain a laptop PC which LCD resolution is 1280x800 or 1280x1024.		Please prepare a laptop which LCD resolution is higher than 1280x800 or 1280x1024, then set the graphic setting to the required resolution.

Operation

Symptom	Cause	Treatment
<p>The camera model at the View area of the Camera Alignment Tab or Convergence Tab has been disappeared.</p>	<p>If this symptom is occurred during the operation of the SIP-GUI software, following operation may cause it.</p> <p>In case the system settings such as the network settings are going to be done to the PC in which the SIP-GUI software is installed, "User Account Control (UAC)" step is appeared. If "Allow" or "Continue" button is pressed at the UAC dialog, the camera model may be disappeared.</p>	<p>Please complete the system settings before the SIP-GUI is started.</p> <p>There is a way to stop UAC, please set as follows.</p> <ol style="list-style-type: none"> 1. Select the item "Turn User Account Control On or Off" from "Control Panel" > "User Account". 2. Uncheck the item "Use User Account Control (UAC) to help protect your computer", then press OK button. 3. Reboot the computer. <p>For the security of the computer, please always enable the UAC On except for the case SIP-GUI software is used.</p>
<p>There is no camera model at the View area of the Camera Alignment Tab or Convergence Tab.</p>	<p>The display driver may not be the latest one.</p>	<p>Please update the driver to the latest one.</p> <p>This problem may be fixed.</p>
<p>The message below sometimes appears.</p> <p>Network situation may be busy or unstable.</p> <p>Round-Trip Time exceeded 3 seconds.</p>	<p>This message may appear during large data is being transferred or when the response from the processor is being delayed because of what the packet loss happens. Even in case the GUI PC and MPE are connected simply, this message may appear during the connection to the SIP software which is just starting up.</p>	<p>Please confirm if there is any problem on the network. If there is no problem, it is OK to press [Don't show me this again.]. SIP GUI stops to show the message till SIP GUI is quit.</p>
<p>Is the setting before disconnection available after reconnection in case disconnection of the processor is done and then reconnection to it is being done?</p>		<p>Basically OK.</p> <p>However if the setup file which holds the marking of (start up) is deleted some of miss-matching will be brought. So in this case executing "Restarting the Processor" is expected before reconnection.</p>
<p>The message below appears even though a camera which supports metadata is used.</p> <p>Zoom Data via HD SDI Input has not been received.</p>		<p>The firmware or PLD in the camera may not be upgraded.</p> <p>Vertical blanking may not be disabled on the related lines.</p> <p>There may be a device which can not transfer the VANC data to the latter part.</p>

Others

Symptom	Cause	Treatment
Is there any confirmed 3D mouse?		Space Pilot and Space Explorer from 3DConnexion are confirmed to work with SIP-GUI software.
Is there any tip in operation of 3D mouse?		The 3D mouse would be connected to USB port of the PC before running SIP-GUI. In case the connection of the 3D mouse is done after starting SIP GUI, the device does not appear as the detected device at the System Tab. Please do not remove the 3D mouse during SIP-GUI is running.
Is it necessary to install drivers from the CD-ROM which is attached with the 3D mouse?		It's not necessary.
Show me which parameters can be controlled by SIP-GUI.		If the 3D mouse is detected, one of the control panels is turned to blue. Targeted panel can be changed by pressing T,B,L and R buttons. See Table-1 for more details.
How does the "Zoom Link" function?		By the combination with the particular Sony camera and lens which supports "lens serial interface", focal length information can be embedded onto the HD SDI signal as VANC data. This information can be received by MPE-200 and used in Camera Alignment and Convergence Tab.
Does "System Massage" icon appear in case wrong format signal between PsF and Interlace is input?	No icon appears as this system does not distinguish between 25PsF and 50i, nor between 29.97PsF and 59.94i.	
After unplug the genlock signal and plug again, the genlock phase had been shifted or picture had being broken.		Please execute "Restart this Processor" from SIP-GUI to restore the right working situation.

Table-1: Function table of Space Pilot and Space Explorer

Tab	Panel	Controller Cap X Axis (Pan)	Controller Cap Y Axis (Tilt)	Controller Cap Z Axis (Spin)	Button FIT	Button 2D / 3D
Camera Alignment	Optical Axis Adjustment	Planar Shift H	Planar Shift V			
	Camera Position Adjustment	Translate X	Translate Y	Translate Z		
	Camera Rotation Adjustment	Toe-In	Tilt	Roll		
	Keystone Adjustment	Keystone H	Keystone V			
						Lock
Convergence	Horizontal Offset			Planer Shift H	Reset	
	Zoom Scale			Left	Reset	Lock
	Zoom Scale			Right	Reset	Lock
	Vertical Adjustment		Left		Reset	Lock
	Vertical Adjustment		Combination		Reset	Lock
	Vertical Adjustment		Right		Reset	Lock

Other buttons available: T (Up), B (Down), L (Left), R (Right)