



## Technical Memo

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## Revision of Information:

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**RANK** 3**Revised :****Issued :** June 09, 2021**Subject:** Software Release [V1.21]**Revise Point(s)****Issue No.**

HDCM21-024

**Target Models / Destination**

Model Name	Dest	Model Name	Dest	Model Name	Dest	Model Name	Dest
MSU-3000	SYL	MSU-3500	SYL				

**[Description]**

Updated version of the software (V1.11 => V1.21) for MSU-3000/3500 is released.  
Upgrade it as necessary.

**[Applicable Model]**

Model / Destination	Serial Number			Number of Unit
MSU-3000 SYM		-		
MSU-3500 SYM		-		
		-		

**[Change Points]**

## &lt;New Functions&gt;

1. Added SR Live MetaFile Store/Recall function
2. Added SR Live MetaFile file transfer function
3. Supports selection of target camera for ALL function
4. Added HDR Target White display
5. Supported HDRC-4000 signal input status warning display
6. Supported Master Black knob function customization
7. Added Indicator customization function
8. Added indicator function assignment to SW customization
9. Added list display of SW/indicator assignment status
10. Supports CNU function control

## &lt;Function Change / Function Improvement&gt;

1. Changed Converter All-Settings Store / Recall function menu UI
2. Dividing the set value reset range
3. Addition of functions and menu shortcuts that can be assigned by SW customization
4. Files saved in USB flash drive with MSU-3000/3500 can be read by other system camera devices and software. (See techmemo HDCM21-026)

## &lt;Corrections&gt;

1. Fixed the problem that the Cable Open warning message is not displayed.
2. Fixed the problem that the Default Gateway setting of Network is not reflected unless it is set manually again after starting.
3. Fixed the problem that HDRC-4000 before V2.4 may not be recognized correctly.

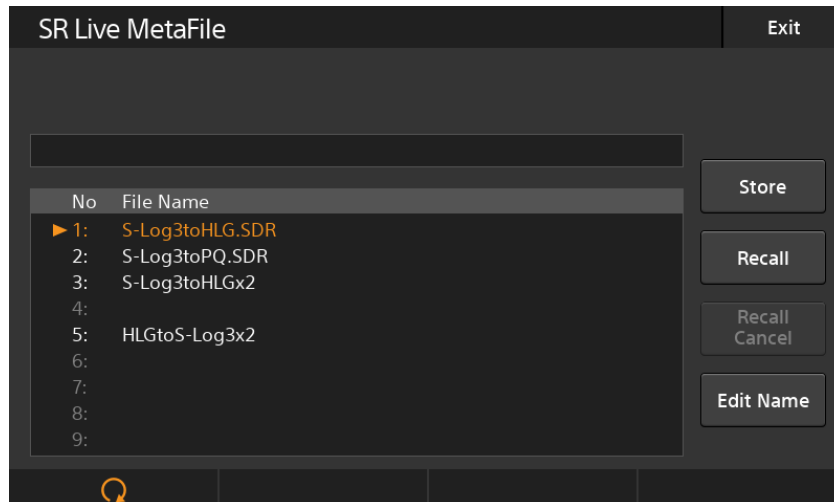
## &lt;Detail of new functions&gt;

## 1. Added SR Live MetaFile Store/Recall function

Added FILE-> SR Live MetaFile-> Store / Recall.

You can perform Store / Recall / Recall Cancel operations of SR Live MetaFile saved in the device that supports SR Live MetaFile. You can also edit the file name using the MSU software keyboard with the Edit Name function.

At present, the device that supports SR Live MetaFile is HDRC-4000.

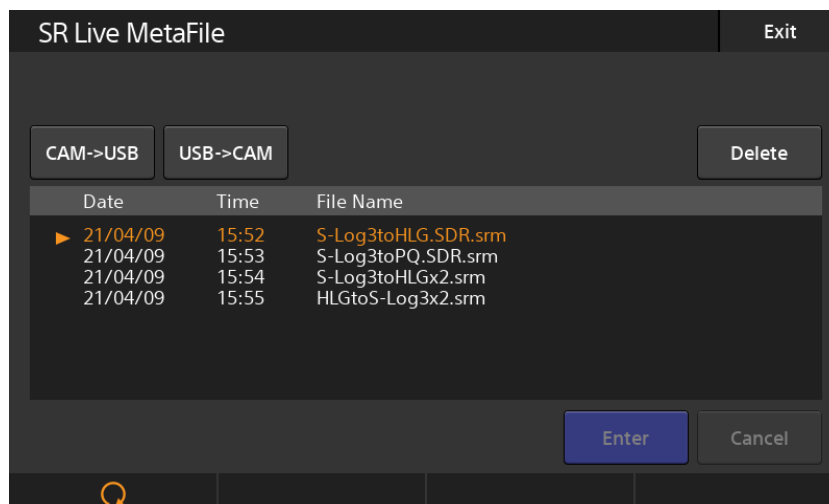


## 2. Added SR Live MetaFile file transfer function

Added FILE-> SR Live MetaFile-> Transfer.

Supports transfer of SR Live MetaFile stored in the device that supports SR Live MetaFile to a USB flash drive attached to the MSU, or vice versa.

At present, the device that supports SR Live MetaFile is HDRC-4000.



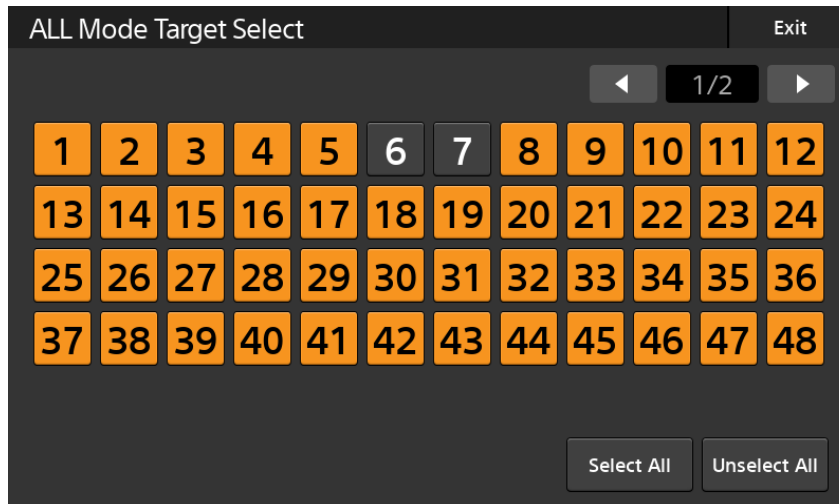
### 3. Supports selection of target camera for ALL function

Added MULTI-> ALL. You can set the target camera number for the ALL function.

Whereas the conventional ALL function executes the function for all system cameras on the camera network, by using this setting, any camera number can be excluded from the target of the ALL function. The default is that all cameras are selected.

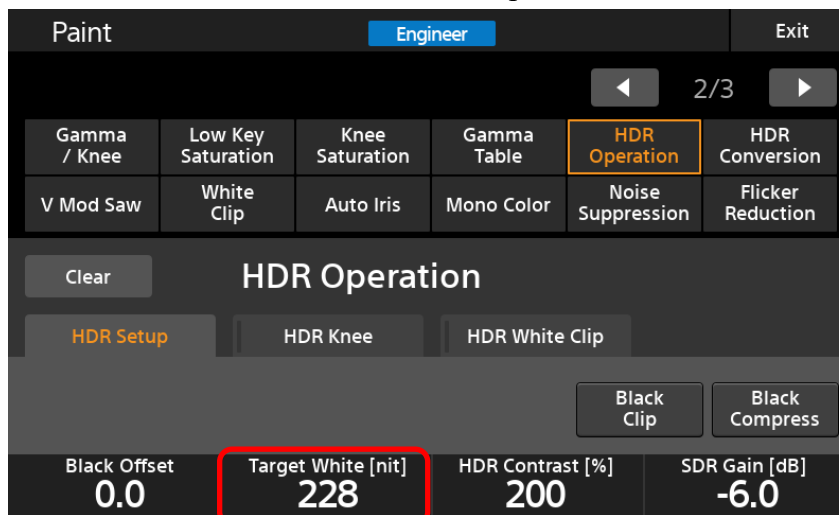
For example, you can operate BARS on all cameras except HDRC-4000.

In the following example, Cam Nos. 6 and 7 are excluded from the control target of the ALL function.



### 4. Added HDR Target White display

Added HDR Target White value display to HDR Operation in Paint menu. HDR Target White is the number of nits displayed in HDR when shooting white with a brightness of 100 nits (= 100%) in SDR when both HDR and SDR are output from the camera.



## 5. Supported HDRC-4000 signal input status warning display

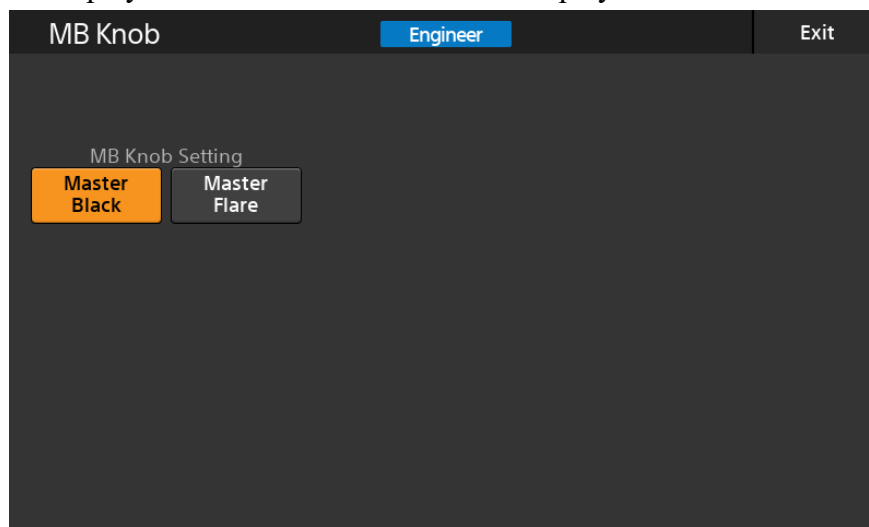
Supports the function to display a warning message on the LCD screen when there is no input signal of HDRC-4000 or when there is a defect (for example, only 3 out of 4 are included). To enable this function, change the settings on the HDRC-4000. (For details, refer to HDRC-4000 Tech Memo HDCM20-062.)

- When there is no input signal: SDI Input NG (No Signal)
- When there is a defect in the input signal: SDI Input NG (Not Complete)

## 6. Supported Master Black knob function customization

Added Config-> MSU-> Customize-> MB Knob Customize.

Master Flare function can be assigned to the Master Black knob. The value of the assigned function is displayed on the MASTER BLACK display.

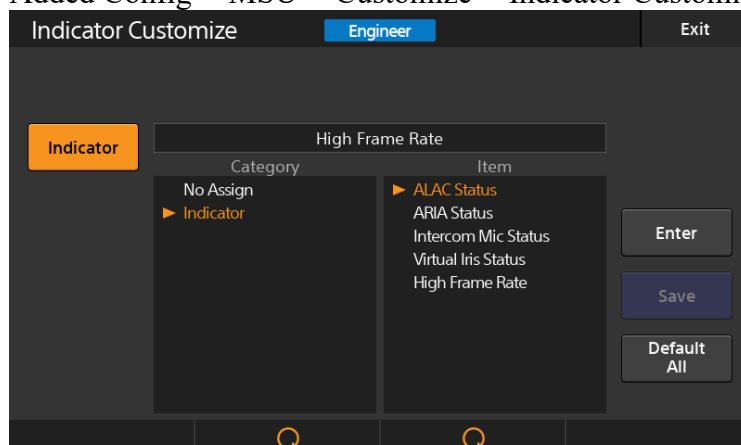


## 7. Added Indicator customization function

Functions can be assigned to the assignable indicator next to the camera number display dot matrix.



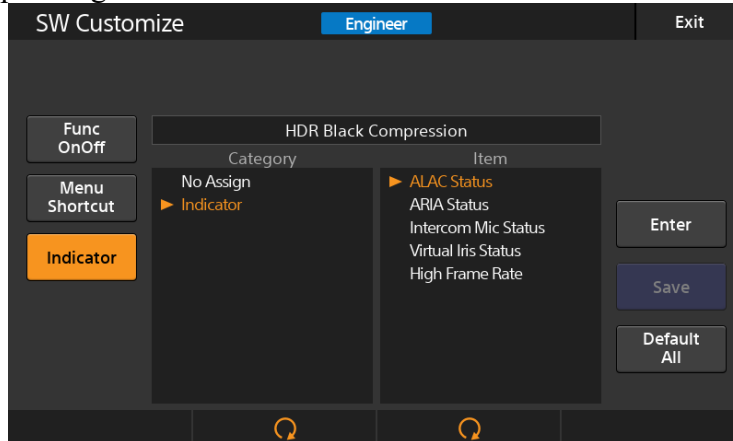
Added Config-> MSU-> Customize-> Indicator Customize menu.



# 8. Added indicator function assignment to SW customization

Added "Indicator" setting in Config-> MSU-> Customize-> SW Customize menu.

For example, the status of a specific function such as ALAC can be known from the ON / OFF status of the SW. When Indicator is assigned to the customized SW, the SW only displays on and off, and pressing does not work.

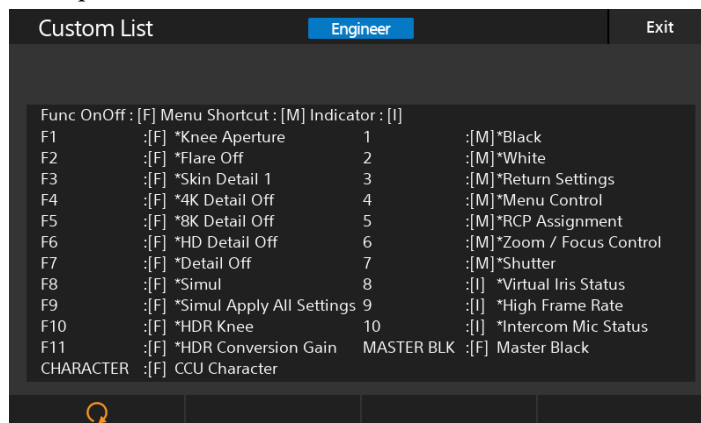


# 9. Added list display of SW/indicator assignment status

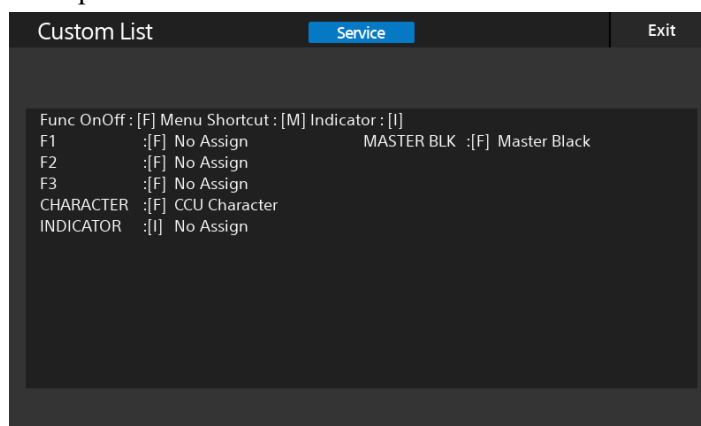
Added Config-> MSU-> Information-> Custom List.

Display a list of currently assigned features for all customizable SW / REs on the MSU.

Example of MSU-3000



Example of MSU-3500



#### 10. Supports CNU function control

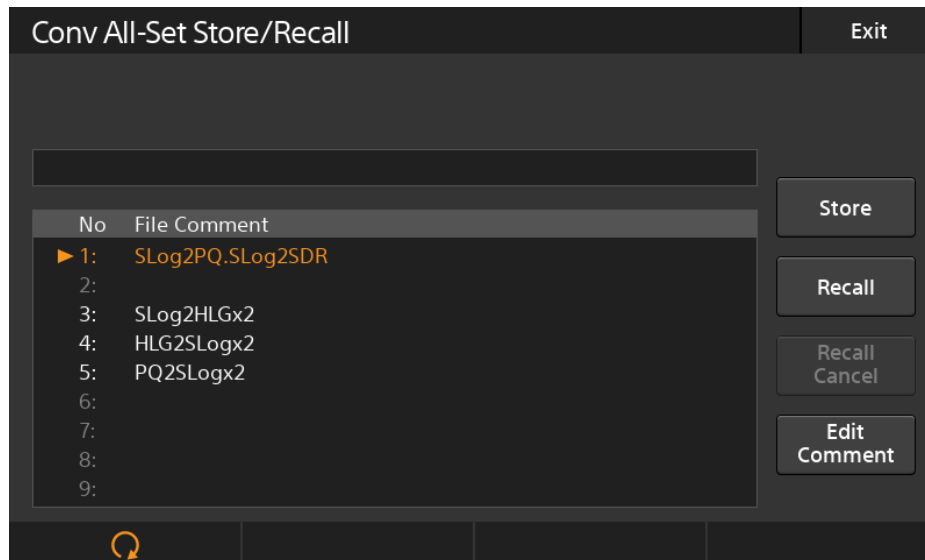
When connected to CNU-700, it supports Master / Subordinate settings, Character settings, and file transfer "USB-> CAMs" and "CAM-> CAMs".

### <Detail of Function Change / Function Improvement>

#### 1. Changed Converter All-Settings Store / Recall function menu UI

Improved the Store / Recall menu of Converter All-Settings and unified the operability with the Store / Recall menu of SR Live MetaFile.

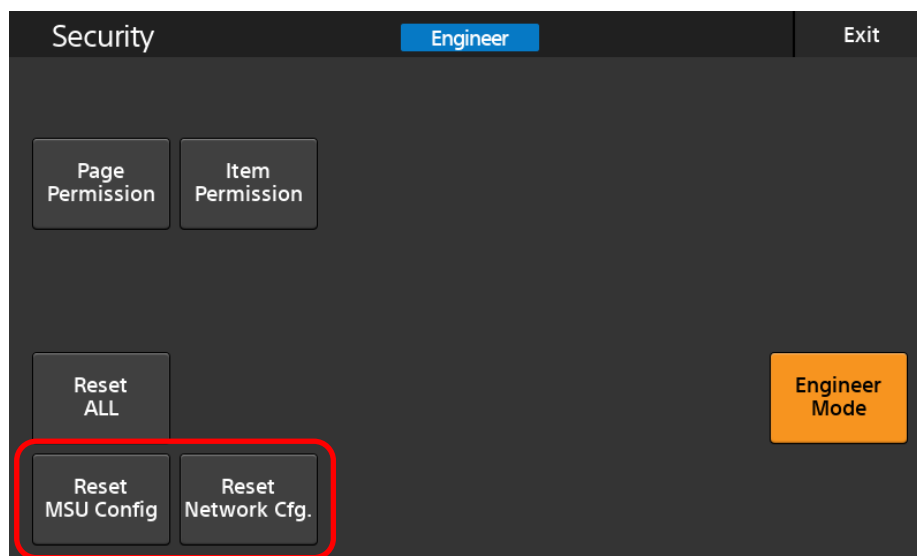
You can perform Store / Recall / Recall Cancel operations of this setting file for HDRC-4000. You can also edit the file name using the MSU software keyboard with the Edit Name function.



#### 2. Dividing the set value reset range

In addition to the conventional "Reset ALL", "Reset MSU Config" and "Reset Network Cfg." buttons have been added to the Security menu.

Whereas the conventional "Reset ALL" resets all settings, "Reset MSU Config" resets the settings other than the network, and "Reset Network Cfg." resets only the network settings (under Config> MSU> Network).





**[Preparation]**

< USB flash drive>

Version upgrade is executed using a USB flash drive.

<Software File>

File name:

Upgrade file: msu3x00.pkg

\* Obtain it from Software Download site.

Create a folder having the name shown below in a USB flash drive, and copy the above file in it.

¥MSSONY¥PRO¥CAMERA¥ MSU3X00

**[Installation Procedure]**

Refer to the section of “Firmware Update” in the Maintenance Manual.

**[Confirmation / Adjustment]**

When the firmware update is completed, the updated version is displayed on the MSU LCD screen.

Make sure the APP version is V1.21.

You can also check it in Config> MSU> Information> Version.



[Software History]

MSU-3000/3500

Tech Memo Number	APP/OS/Updater	SY
Initial release	V1.11	V1.010
HDCM20-024	V1.21	V1.010