



Technical Memo

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Revision of Information:
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		Revised :
RANK	3	Issued : July 12, 2024

Subject: Software Release [V1.70]

Revise Point(s)

Issue No.
HDCM24-024

Target Models

Model Name / Model Family Name	Model Name / Model Family Name	Model Name / Model Family Name	Model Name / Model Family Name
RCP-3500	RCP-3501		

[Description]

The updated version of the software (V1.61 => V1.70) for RCP-3500/3501 is released.
Upgrade it as necessary.

[Applicable Serial Number]

Model / Destination	Serial Number	Number of units
RCP-3500 SYM		
RCP-3501 SYM		

[Change Point]

< New Features >

1. Calibration of light intensity changes for each lens type in DoF Control (DoF Iris Calibration)
2. Screen Saver function
3. CCU PinP RET input setting

< Correction >

1. Fixed an issue where Master Flare on the Paint screen could not be adjusted when MB RELATIVE was turned off while Master Black was assigned to the MB Ring (only occurs on RCP-3500).

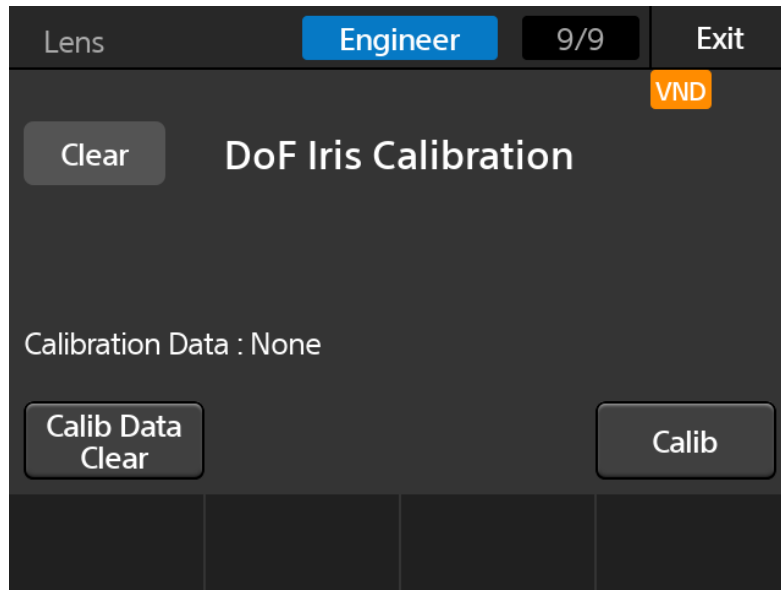
< Details of New Features >**1. Calibration of light intensity changes for each lens type in DoF Control (DoF Iris Calibration)**

Added the DoF Iris Calibration menu to “Maintenance->Lens” and “File->Lens->Adjusting”.

In this menu, it automatically measures the calibration values for DoF Control and saving them to files for each lens type.

Pressing the “Calib” button will start a menu progression like AWB. The process of "Level Measurement" takes several tens of seconds. If the automatic measurement is successful, the calibration value will be ready to be saved to a file. Please store to Lens file. The saved calibration values are used for DoF Control using that type of lens. Unwanted brightness changes that occur during operation are reduced.

The "Calib Data Clear" button provides the function to erase the calibration values.



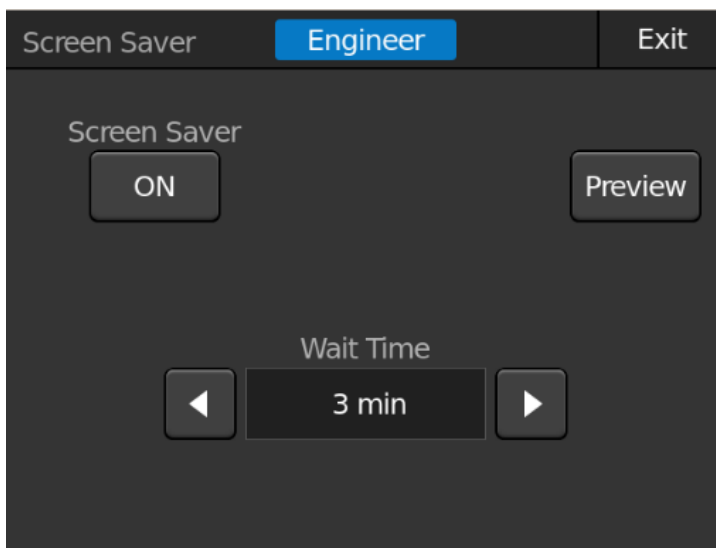
2. Screen Saver function

To protect the LCD, added a function to switch to a black screen after a certain period of inactivity. To deal with the problem of LCD burn-in and brightness reduction with RCP.

Added the “Config->RCP->Mode->Screen Saver” menu.

By turning on the Screen Saver, the Screen Saver would start if no operations related to the LCD display are performed for a certain period. While the Screen Saver is running, the screen will remain black, and nothing will be drawn on it. The Screen Saver can be canceled by touching the LCD.

Set the idle time for entering the Screen Saver with “Wait Time”. Pressing the "Preview" button will immediately switch to the Screen Saver.



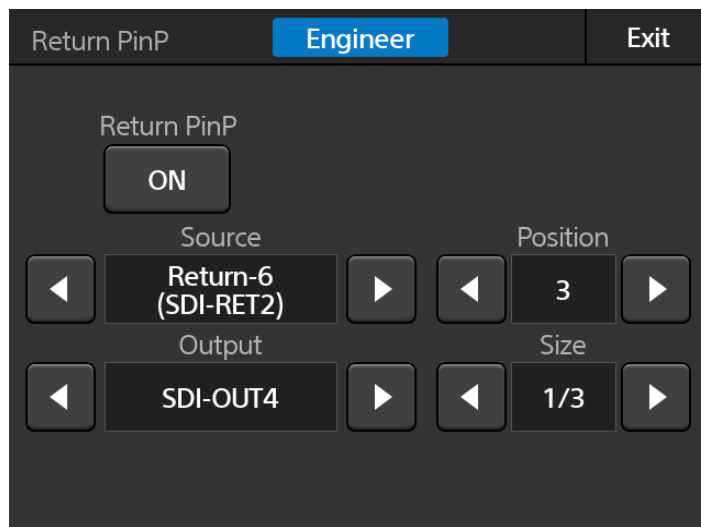
*Attention

The RCP-15XX series Screen Saver uses line drawing animation, but the RCP-35XX series has different specifications and displays a black screen.

3. CCU PinP RET input setting

Added the “Config->CCU->Return PinP” menu. In this menu, it is enabled to set the CCU Return PinP function.

- RETURN PinP: Set the On/Off of Picture in Picture function
- OUTPUT: Set the output for displaying Picture In Picture from SDI-OUT3-4 and IP OUT1-2
- SOURCE: Set the video signal to be displayed on Picture In Picture from RETURN SELECT 1-8 and HD PROMPTER
- POSITION: Set the location where Picture In Picture is displayed (1-4)
- SIZE: Set the Picture In Picture size to 1/4, 1/3, or 1/2.5



[About Firmware Update]

Since V1.50, firmware update by customer is possible.

For the procedure for updating the firmware in the conventional Service mode, refer to the section of "Updating the Firmware" in the SERVICE MANUAL.

[Preparation]

< USB flash drive >

Version upgrades are performed using a USB flash drive.

< Obtain the Upgrade Software Files >

Upgrade File: rcp35xx_v1.70.pkg

* Available on the website "Software Download". Place the file in the top directory of a USB flash drive.

[Note]

Do not place multiple upgrade files in the top directory. If multiple files are placed, it will not be possible to update the version because it cannot be determined which version should be updated.

[Update Procedure]

1. Set to Engineer Mode.
Set "Config -> RCP -> Security -> Engineer Mode" to ON.
2. Perform firmware update.
Press "Config -> RCP -> Firmware Update -> Update" to open the confirmation screen.
3. Press "Yes" on the confirmation screen to start the update.
The progress bar will be displayed during the update.
4. After the update is complete, the version information screen will be displayed. Press "Close" to exit.

[Check the version after the upgrade]

If the firmware update is completed successfully, the updated version will be displayed on the LCD screen.
Make sure the version of App is V1.70.

* It is also possible to check with the procedure of "Config > RCP > Information > Version".

[Software History]

RCP-3500/3501

Tech Memo Number	App/OS/Updater	SY
Release	V1.02	V1.000
HDCM20-034R	V1.11	V1.000
HDCM21-025R	V1.20	V1.000
HDCM21-053R	V1.30	V1.000
HDCM22-029	V1.40	V1.000
HDCM23-023R	V1.50	V1.000
HDCM23-044	V1.61	V1.020
HDCM24-024	V1.70	V1.020

[Reference information]

The switch assignment label included with the product has been changed. Please order a new part (suffix -03) if necessary.

< Applicable part >

Name: LABEL, SW ASSIGN

Number: 5-016-159-02 ⇒ -03

< Reason for Change >

Function names have been added to the SW/knob assignment items (by adding new functions and improving the operability of existing functions), and the label type and size have been changed.

< Change Point >

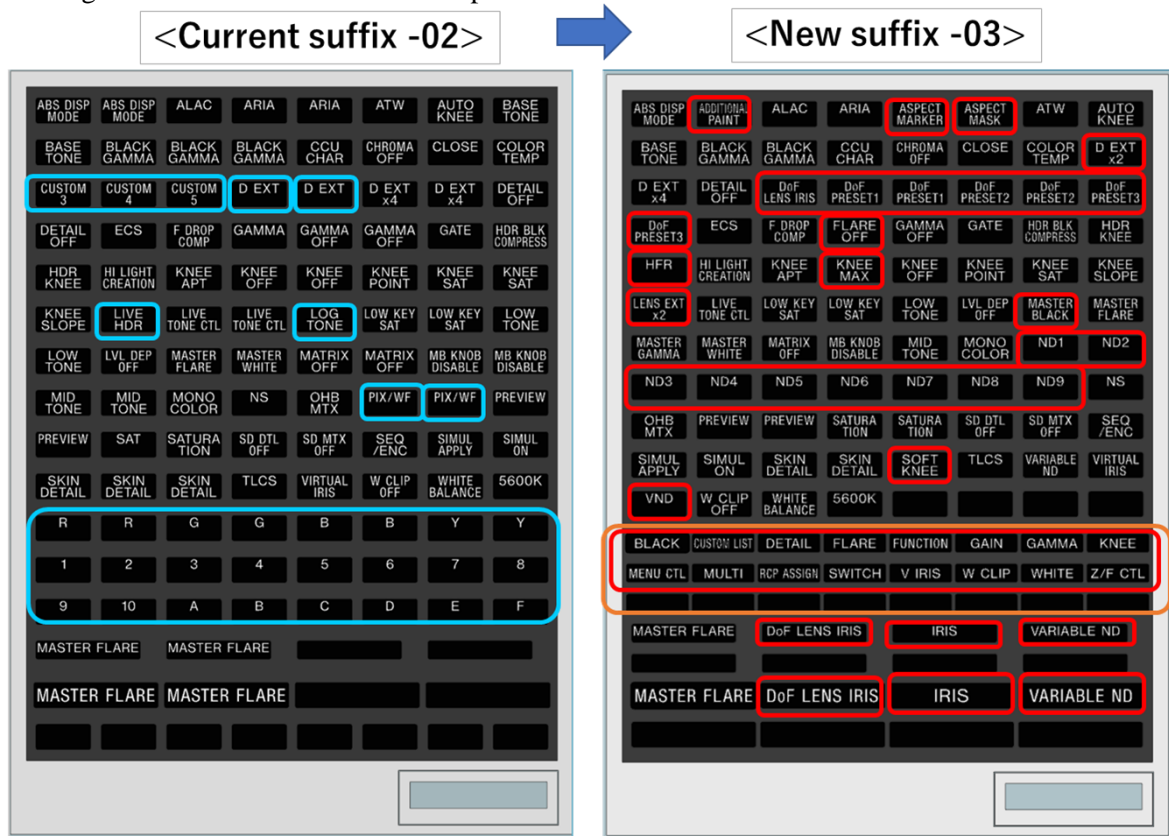
Changed the label of the function name

Added Label	Delated Label
ADDITIONAL PAINT	CUSTOM 3/4/5
ASPECT MARKER	D EXT
ASPECT MASK	LIVE HDR
D EXT x2	LOG TONE
DoF PRESET1/2/3	PIX/WF
FLARE OFF	R
HFR	G
KNEE MAX	B
LENS EXT x2	Y
MASTER BLACK	1
ND1/2/3/4/5/6/7/8/9	2
SOFT KNEE	3
VND	4
BLACK	5
CUSTOM LIST	6
DETAIL	7
FLARE	8
FUNCTION	9
GAIN	10
GAMMA	A
KNEE	B
MENU CTL	C
MULTI	D
RCP ASSIGN	E
SWITCH	F
V IRIS	
W CLIP	
WHITE	
Z/F CTL	
DoF LENS IRIS	
IRIS	
VARIABLE ND	

The number of labels with the same function name has changed
Adding a new size label

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Switch assignment label: Old and New Comparison



< Usage example >

*Attention

If the following label is attached, the function name text will not be illuminated even if the EL backlight is turned on.

Example of "DoF LENS IRIS" labeling



Example of “V IRIS” labeling



Example of “ABS DISP MODE” labeling

