



Technical Memo

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Revision of Information:

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RANK 3

Revised :

Issued : December 25, 2020

Subject: Software Release[V1.4.0]

Revise Point(s)

Issue No.HDCM20-060

Target Models / Destination

Model Name	Dest
HZC-CSM10	CN

Model Name	Dest
HZC-CSM10	WW

Model Name	Dest

Model Name	Dest

[Description]

Updated version of the software for HZC-CSM10 is released. (V1.3.0 -> V1.4.0)
Upgrade it as necessary.

[Change Points]

<New Functions>

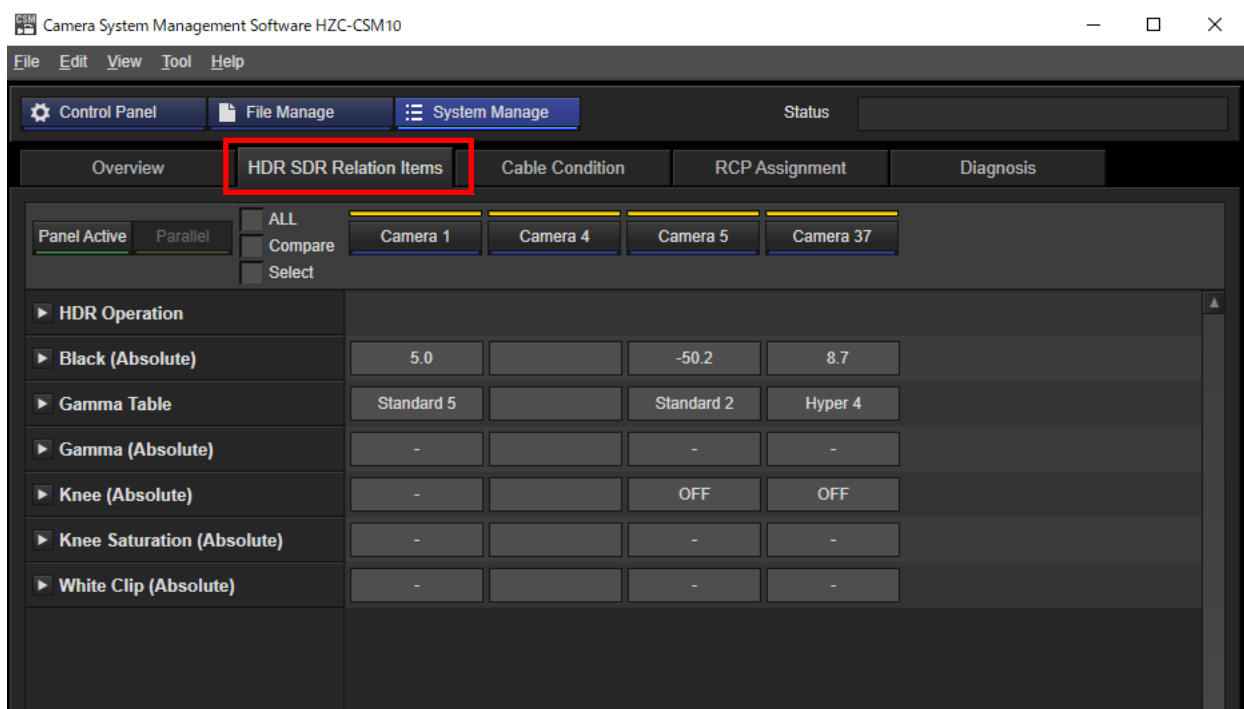
1. Added Overview(Absolute) item (Rename tab to “HDR-SDR Relation Item”)
2. Added HFR Detail Ratio adjustment function
3. Added ARIA Gain Limit setting
4. Added Virtual IRIS setting
5. Added Remote Back Focus adjustment
6. Supports 4K Return setting and added OETF/Look/Color Space setting in Return page
7. Added Look setting in Multi Format page
8. Added Soft Knee and Knee Max setting
9. Added Network in Genlock mode setting page
10. Added the setting to detect SR Live Meta of HDRC-4000

<Functional Improvement>

1. Improved display of Cable Condition

<Detail of new functions>

1. Added Overview(Absolute) item (Rename tab to “HDR-SDR Relation Item”)
For SR Live operation, added an item in the “Overview(Absolute)” of V1.3.0 and changed the tab name to “HDR-SDR Relation Items”.

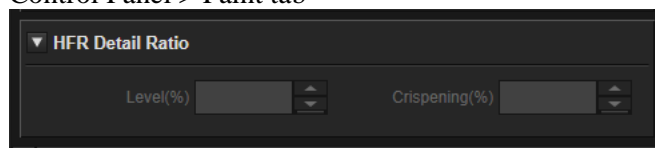


The following are newly added items.

HDR Operation		HDR Black Compression On	
		HDR Setup	SDR Gain
			HDR Black Offset
		HDR Knee	HDR Knee On
			HDR Knee Point
			HDR Knee Slope
		HDR White Clip	HDR White Clip On
			HDR White Clip Master
		HDR Black Clip	HDR Black Clip On
Gamma Table		Gamma Type	
		Standard	
		Hyper	
		Special	
		User	
Knee	Soft Knee	Soft Knee On	
		Soft Knee Radius	
White Clip		While Clip On	
		White Clips Master	

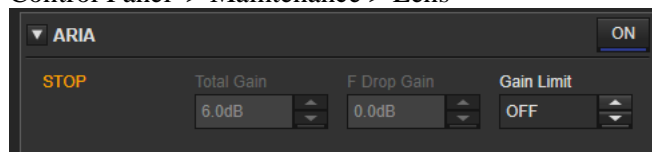
2. Added HFR Detail Ratio adjustment function

Control Panel > Paint tab



3. Added ARIA Gain Limit setting

Control Panel > Maintenance > Lens



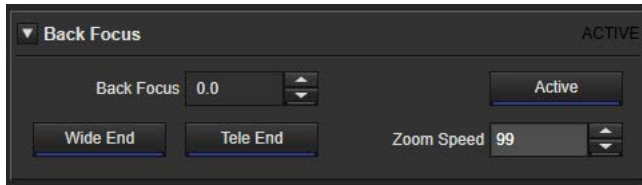
4. Added Virtual IRIS setting

Control Panel > Maintenance > Lens



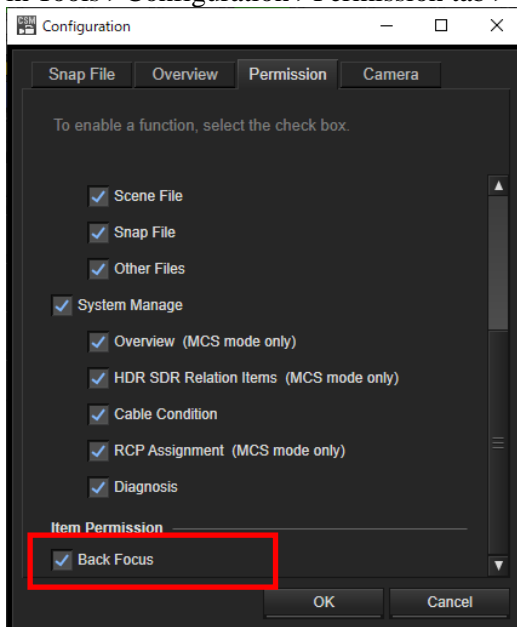
5. Added Remote Back Focus adjustment

Control Panel > Maintenance > Lens



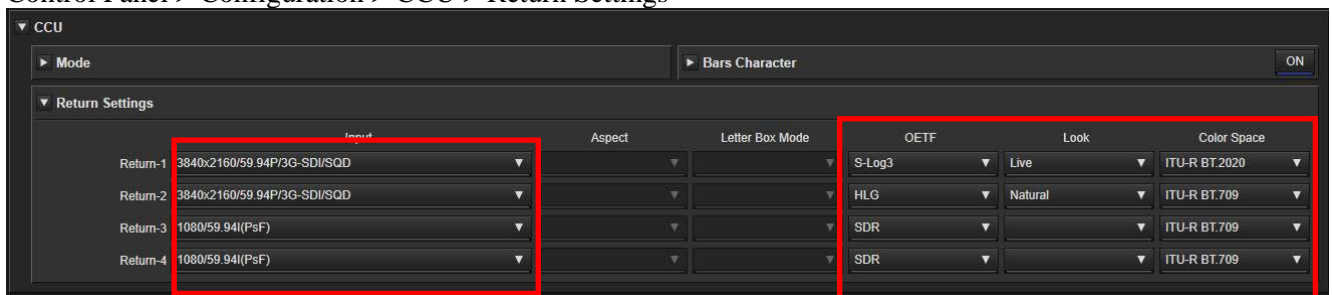
[NOTE]

The default for this setting is hidden. Displayed only when the “Back Focus” check box is checked in Tools > Configuration > Permission tab > Item permission.



6. Supports 4K Return setting and added OETF/Look/Color Space setting in Return page

Return Setting of input settings supports 4K Format, and Added OETF/Look/Color Space setting in Control Panel > Configuration > CCU > Return Settings



7. Added Look setting in Multi Format page Control Panel > Configuration > Multi Format

The screenshot shows the 'Multi Format' configuration page. It features a table with columns: Output, OETF, Look, Color Space, and Signal Source. The 'Look' column is highlighted with a red box. The table lists various camera formats and their corresponding settings.

Multi Format					
	Output	OETF	Look	Color Space	Signal Source
System	/1.001				
CAMERA Format	7680x4320/119.88P	Live HDR			
Slot1-1	7680x4320/119.88P/12G-SDI/2SI	SDR		ITU-R BT.2020	
Slot2-1	3840x2160/59.94P/3G-A/2SI	SDR		ITU-R BT.2020	
Slot3-1	3840x2160/59.94P/3G-B/SQD	SDR		ITU-R BT.2020	
Slot4-1	3840x2160/59.94P/3G-B/2SI	SDR		ITU-R BT.2020	
Slot5-1	1080/59.94P/3G-A				
Slot5-2	1080/59.94I				
Slot5-3	1080/59.94I				
Slot5-4	1080/59.94P/3G-A				
BPU Multi Format					
Shooting Transmit					
Output1-A					
Output1-B					
Output2-A					
Output2-B					

8. Added Soft Knee and Knee Max setting Added "Soft Knee" setting in Knee and added "Knee Max" in Knee Point. Control Panel > System Manage > Overview tab > Knee Control Panel > Paint > Knee

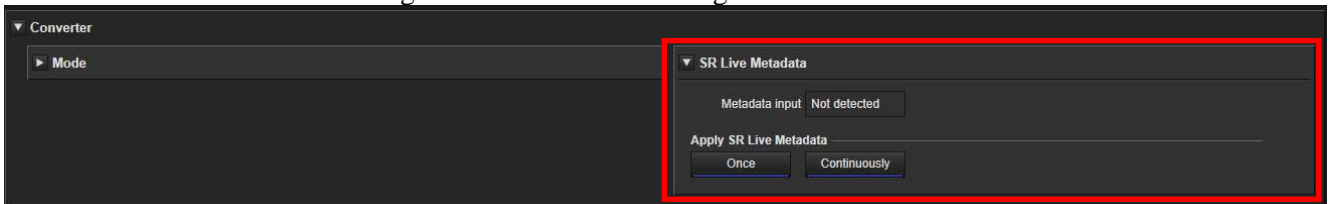
The left screenshot shows the 'Knee' configuration page. The 'Knee Max' setting is highlighted with a red box. The 'Knee' toggle is set to 'ON'.

The right screenshot shows the 'Knee' configuration page. The 'Soft Knee' setting is highlighted with a red box. The 'Soft Knee' toggle is set to 'ON'.

9. Added Network in Genlock mode setting page
Added Network in Genlock Mode options.
Control Panel > Configuration > CCU > Mode



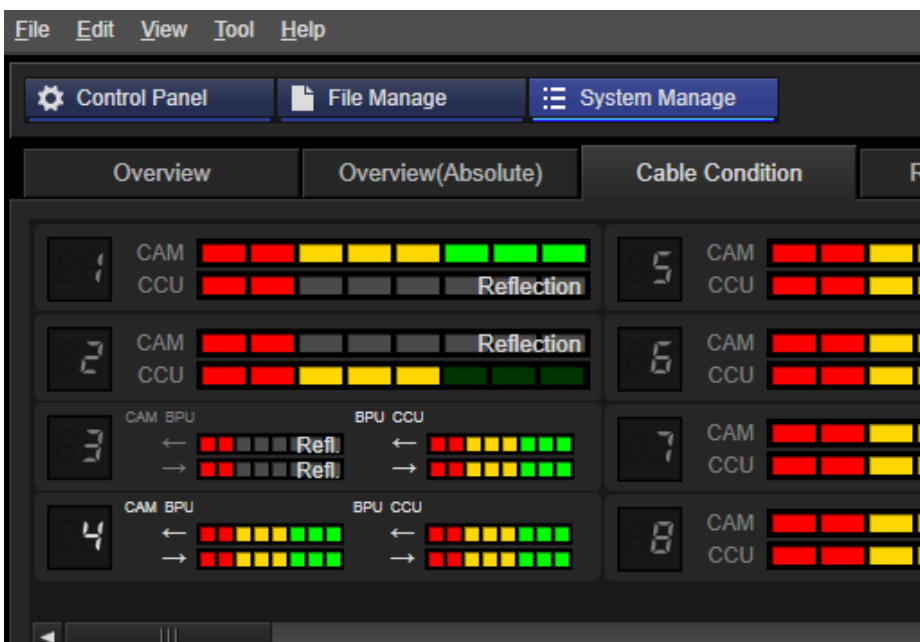
10. Added the setting to detect SR Live Meta of HDRC-4000
Added “SR Live Metadata” setting in Control Panel > Configuration > Converter.



<Detail of functional improvement>

1. Improved status display of Cable Condition

The bar of Optical Condition has been changed to reflect not only the light reception level but also the occurrence status of transmission failures. If there is a transmission failure that seems to be affected by the light reflection at the optical fiber junction, the words “Reflection” and “Refl” are displayed on the the bar status display of Cable Condition.



[Preparation]

<Software Files>

Filename:

HZC-CSM10_1.4.0_Windows7.zip (For Windows7)

HZC-CSM10_1.4.0_Windows8.1_Windows10.zip (For Windows8.1/Windows10)

* Obtain the files from eCSite.

[Installation Procedure]

<Condition>

New installation or in state that the V1.3.0 of HZC-CSM10 is installed, the installation is possible in both cases. Or, after uninstalling the previous version, the new installation of V1.4.0 is also possible.

<Procedure>

Use the installer depending on the OS of PC for installation.

The installation key of V1.4.0 is common for the conventional version.

When uninstalling the old version, the installation key is deleted. Before uninstallation, confirm the version and the installation key by menu bar Help => "About Camera System Management Software".

As for how to use the installer, refer to the file of "ReadThisFirst".

[Confirmation / Adjustment]

Confirm if the version is V1.4.0. As for the version, confirm it by menu bar Help => "About Camera System Management Software".