HDC4300 V 1.70

**[Change Point]**

<Added Function>

1. Addition of Remote Adjustment of the Flange Focal Length

In addition to Zoom and Focus, Back Focus can be operated from the panel when using the lens that supports Remote Flange back function. The function can be Actived, as follow.

・This function can be active by turning on ACTIVE on the menu of panel (MAINTENANCE -> LENS -> BACK FOUCS )

No Lense currently support this feature. Please contact each Lens manufacturer when to support features.

2. Addition of the lens which can support ARIA (Automatic Restoration of Illumination Attenuation)

It is the function to compensate the deterioration ofa peripheral optical quantity automatically

without requiring the detailed settings. The added lenses are as below.

Box Lenses from CANON

UJ27x6.5B,UJ66x9B,UJ86x9.3B,UJ90x9B,UJ111x8.3B,UJ122x8.2B

Portable Lenses from CANON

CJ12ex4.3B,CJ20ex7.8B,CJ25ex7.6B,CJ45ex9.7B,CJ45ex13.6B,

CJ14ex4.3B,CJ15ex4.3B,CJ18ex28B,CJ18ex7.6B,CJ24ex7.5B

Box Lenses from FUJINON

UA70x8.7BESM,UA80x9.0BESM,UA107x8.4BESM,UA27x6.5BESM

Portable Lenses from FUJINON

UA13x4.5BERD-S9,UA13x4.5BEZD-T9,UA14x4.5BERD-S6,UA14x4.5BEZD-T58,UA14x4.5BEZD-T9,UA18x5.5BERD-S6,UA18x5.5BEZD-T58,UA18x5.5BEZD-T9,UA22x8.0BERD-S8,UA24x7.8BERD-S6,UA24x7.8BEZD-T9,UA46x9.5BERD-G1,UA46x9.5BERD-U1,UA46x13.5BERD-G1,UA46x13.5BERD-U1

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**-Registered Key Accounts Level Info-**

3. Addition of function that GAIN Limit of ARIA

It is enabled to set the maximum value of correction GAIN.

4. Adition of Virtual Iris function

It is the function to compensate the deterioration ofa peripheral optical quantity automaticallywithout requiring the detailed settings. The added lenses are asbelow.

Nearly the Iris opening end of the lens, the lens performance drops sharply.. To prevent this, this function

specify how farwant the Iris to open(Fvalue). If try to open it further, this function brightensthe image by

fixng theIris and applyingDigital Gain instead.

Virtual Iris ON/OFF:Turn the function ON/OFF

Upper Limit:How far want the Iris to open(F-value)

Extendr Comp:Set to ON whenusingthe lens function that automaticallyhalves the iris

F-value(when enabled)so thatthebrightnessdoes not change whenturning

on the EXTENDER.

\*Match lens settings

5. Added TONE CONTROL Setting to SCENE FILE

6. Addition of LIGHT REFLECTION detection function

RCP/MSU show a warning as follow. When a warning occurs, OPTICAL FIBER CABLE cleaningis recommended.

CHU : Fiber Care(Reflection)

<Specification change>

1. Change ADAPTIVE MATRIX adjustment range and default settings

Expanded level of ADAPTIVE MATRIX adjustment range. Adjustment range become 0~14.Default setting changed to ADAPTIVE MATRIX ON and Level = 0. \* It is necessary to upgrade the software of BPU4000 to V4.30 or higher and BPU4500/4500A to V3.10 or higher. When using HDCU4300 with V2.12 or lower, this function has the same adjustment range(Level = 0～7) as before.

2. FOCUS ASSIST SW of HDLA changed to invalid when AF DISPLAY on.

When FOCUS ASSIST BAR SW of HDLA was turned on with HDLA attached and AF DISPLAY on, AF DISPLAY turned off and it was necessary to return it from the menu. FOCUS ASSIST BAR SW of HDLA is disabled when AF DISPLAY on.

3. Added the MASTER GAIN on PAINT <COLOR TEMP> PAGE

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<Error Correction>

1. Fixed a problem that the demand control freezes when LENS REMOTE settings.

2. Fixed a problem that the value set in CUSTOM MTX is not relfected.

3. Fixed a problem that some parts of BLACK SHADING and WHITE SHADING are not cleared after STANDARD.

4. Fixed a problem that RPN cannot be removed by APR when the camera format is less than 30P

5. Fixed a problem that 1 line below the VF and VF OUT of SDI MONI glow white when camera is standalone and the camera format is less than 30P.

6. Fixed a problem that some lines below the VF and VF OUT of SDI MONI flicer when the camera format is less than 30P

7. Fixed a problem that Waveform rattles when BLACK SHADING is adjusted with IRIS CLOSE and the camera format is 4K 2x.

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