



## **HDC-3100**

Three 2/3-inch CMOS sensors portable system camera for fiber operation

## **HDC-3170**

Three 2/3-inch CMOS sensors portable system camera for triax operation

## **HDC-3500**

Three 2/3-inch 4K CMOS sensors portable system camera for fiber operation

## **HDC-5500**

High performance three 2/3-inch 4K CMOS sensor portable system camera with direct 4K output

Software Release Notes

Version 2.80

Date: Jun 30<sup>th</sup>, 2021

## **Copyright Information**

The material in this document consists of information that is the property of Sony Electronics Inc. and is intended for use by the purchasers of the equipment described in this document. Sony Electronics Inc. expressly prohibits the duplication of any portion of this document or the use thereof for any purpose other than the operation or maintenance of the equipment described in this document without the express written permission of Sony Electronics Inc.

## NEW FEATURES

### 1. Added MIX VF function (HDC3100/HDC3170/HDC3500/HDC5500)

When MIX VF is turned on, RETURN video or this line's video is superimposed on VF video.

It also supports the OFF/ON operation of MIX VF in control panel when large lens adapter (HDLA) is attached.

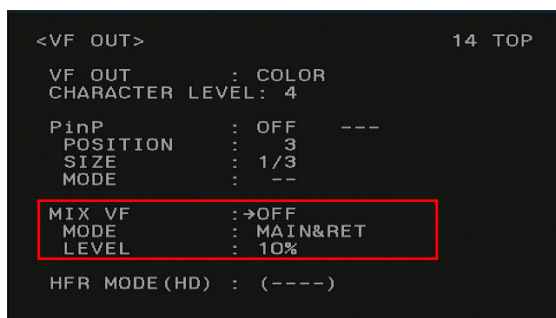
- Added ON/OFF of MIX VF to assignable switch.

- Added the following items to <VF OUT> menu.

MIX VF: ON/OFF

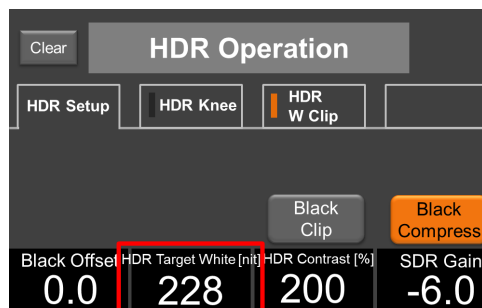
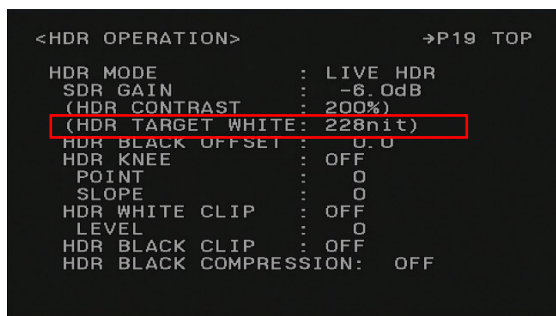
MODE: MAIN&RET/MAIN/RET

LEVEL: Transparency



### 2. Added the function to display HDR Target White in Remote Control Panel. (HDC3100/HDC3170/HDC3500/HDC5500)

Enabled to display HDR Target White (how many nit the brightness white of 100nit in SDR is in HDR) in Remote Control Panel and CAM Menu.



**3. HDR Target White is calculated from SDR Gain and Look, and Look used to calculate HDR Target White displayed in Remote Control Panel is as follows.**

When both 4K/HD outputs are SDR	: Calculate HDR Target White using input Look
When 4K/HD output is HDR/SDR output	: Calculate HDR Target White using Look in HDR output
When both 4K/HD outputs are HDR	: If both Look are the same -> Calculate HDR Target White using Look in output
	If Look is different -> Display " --- "

## ERROR CORRECTION

- 1. Transfer improvement of User Gamma (HDC3100/HDC3170/HDC3500/HDC5500)**  
- Fixed a symptom that USER GAMMA may not be reflected in video.
- 2. Functional improvement of lens extender (HDC3100/HDC3170/HDC3500/HDC5500)**  
- Fixed the symptom that extender cannot be released when Reference file is saved while lens extender is ON.
- 3. Improvement of level variation in Digital Extender ON/OFF (HDC3100/HDC3170/HDC3500/HDC5500)**  
- Fixed the symptom that the level may fluctuate when Digital Extender is turned ON/OFF.
- 4. Improvement about retention period of license information (HDC3100/HDC3170/HDC3500/HDC5500)**  
- When the power of the device is turned off and left for a long time, the clock malfunctions due to battery exhaustion, and the symptom that affects the validity period of license has been improved.
- 5. Improvement about display value of Virtual Iris (HDC3100/HDC3170/HDC3500/HDC5500)**  
- When the iris value is set close to the Upper Limit, the condition that the actual iris value and the displayed value may not match has been improved.
- 6. Transmission improvement of Network Trunk (HDC3500)**  
- When SDI-2 is set to "OFF", the symptom that packet loss may occur in Network Trunk has been improved.

## 7. Improved Illegal Code error in SDI1, 2 output (HDC3500/HDC5500)

- Fixed a symptom that an error of Illegal Code may occur in SDI 1 and SDI 2 outputs when using Camera Menu Control by Remote Panel.

## INSTALLABLE COMBINATIONS

If want to use the functions added in this V2.80, upgrade the following peripherals.

HDCU3100, HDCU3170	: V2.80 or higher
HDCU3500, HDCU5500, HDCU5000	: V1.80 or higher
MSU-1000, MSU-1500	: V3.70 or higher
RCP-1500, RCP-1501, RCP-1530	: V3.70 or higher
MSU-3000, MSU-3500	: V1.21 or higher
RCP-3500, RCP-3501	: V1.20 or higher

## CONFIRMATION AFTER UPDATE

Confirm the versions of each item of camera menu, DIAGNOSIS - <ROM VERSION> (D3) page.

\*<Change item> is compared with previous software package version: V2.60

### 1. HDC3100, HDC3170

CAMERA APP	<b>V2.80</b>	<b>(Change item)</b>
OS	<b>V2.80</b>	<b>(Change item)</b>
UPDATER	V2.21	
SY	V2.40	
DPRL	<b>V2.60</b>	<b>(Change item)</b>
PS	V2.00	
CD1	V1.10	(Display only when using HDC3170)
CD2	V1.11	(Display only when using HDC3170)
TR	V1.00	(Display only when using HDC3170)

## 2. HDC3500, {HDC3500/H + HKC-CN50 + HKC-FB30}, {HDC3500/H + HKC-CN50 + HKC-WL50}

CAMERA APP	<b>V2.80</b>	<b>(Change item)</b>
OS	<b>V2.80</b>	<b>(Change item)</b>
UPDATER	V2.21	
SY	V2.40	
DPR	V2.60	
PS	V2.00	
TXM	<b>V2.83</b>	<b>(Change item)</b> (Display only when using HDC3500 or HDC3500/H + HKC-FB30)
IF	V2.30	(Display only when using HKC-WL50)
CD1	V1.10	(Display only when using HKC-TR37)
CD2	V1.11	(Display only when using HKC-TR37)
TR	V1.00	(Display only when using HKC-TR37)

## 3. HDC5500, {HDC3500/H + HKC-CN50 + HKC-FB50}

CAMERA APP	<b>V2.80</b>	<b>(Change item)</b>
OS	<b>V2.80</b>	<b>(Change item)</b>
UPDATER	V2.21	
SY	V2.40	
DPR	V2.60	
PS(HDC5500)	V2.00	
PS(HDC5000)	V2.20	
TXH	<b>V2.81</b>	<b>(Change item)</b>