

HDC-SD200AV

USER QUICK GUIDE

Feature)

- . 1/3" EX-View SONY Progressive Color CCD
- . Support 2 Digital Outputs :
22.5fps (1280X960) / 30fps(1280X720)
- . No video Loss (Serial Digital Interface : BNC type)
- . Min Illumination : 1.0 Lux(DSS off) / 0.1 Lux(DSS on)
- . DSS (Digital Slow Shutter)
- . Auto White Balance
- . Provide SDK for Developers
- . Transmit Video Signal Using HD-SDI Receiver or PCI-Express Card
- . Maximum Distance is about 200M using 5C-HFBT coaxial cable Extend distance with SDI repeater (each 200M)

Compatible Products)

- . DVR B/D : HDCAP series
- . Receiver for Monitor display : RX-250AV
- . Repeater for distance extend : RP-252AV/RP-258AV
- . These products are only compatible with Comart products.

Caution)

- . Please do not disassemble the product.
- . Please do not drop or hit the product.

Installation Circumstance)

- . Please install the goods considering temperature and humidity
- . Please do not install the goods where electricity flows

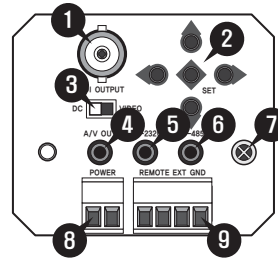
Specification)

Imaging Device	1/3" progressive scan CCD, 1.3M	AGC	OSD Supported
Total Pixels	1348(H) x 976(V) 1.32 Megapixel	BLC	OSD Supported
Effective Pixel	1296(H) x 966(V) 1.25 Megapixel	DSS	OSD Supported
Scanning System	Progressive Scan	MIRIS	OSD Supported
Sync System	Internal	Lens Mount	C / CS Mount
Horizontal Res.	More than 600 TVL	Lens Control	DC / Video Lens Supported
Perpendicular Res.	More than 600 TVL	Video Out	HD-SDI Signal (BNC Connector)
S/N Ratio	More than 50dB	Av Output	Composite 1V p-p/Audio out
Min. Illumination	1.0 lux (F1.2, 30IRE, AGC On, 0.1 x DSS On)	Power Spec	12V DC ±2V / 500mA
Video Mode	1280x960, 22.5fps/1280x720, 30fps (selectable)	Operating Temp	-10°C ~ 50°C
		Storage Temp	-20°C ~ 70°C

. Maximum distance is 200M.

. Please use coaxial cable only (5C-HFBT)

Backside)



- SDI Output : HD-SDI Signal Output (BNC type)
- OSD
- DC/ Video Lens (Optional)
- Video Out
- RS-232C: Firmware Update
- RS-485 : 485 Network Supported
- Remote Control Receiver
- 12V/GND : DC12V Power Input
- Remote Control Receiver Extension Port

OSD)

Press SET BUTTON, and OSD menu comes out.
(If password is setup, the password window pops up. If not, it goes to setup screen directly)
* Refer to Password in OSD.

The setup mode will be finished if there is no button input during 1minute.

OSD Button Setup)



Remote Control)

- . Distance : 10M
- . When RC is on : Flickering on LED



- ESC : Cancel setup value and Exit Setup mode
- ENT : Enter and function key
- Move to Up, Down, Left, Right
- Input Numbers to input Password
- Brightness setting
- Color setting
- Gamma setting
- Fixed PGA(0-7) setting

OSD Menu

1. Video Output

Menu	Setup Value	Description
SDI_RESOLUTION	1280X720(30fps) / 1280X960(22.5fps)	Select SDI Output Resolution
TYPE	NTSC	NTSC Composite Output
	PAL	PAL Composite Output
COMPOSITE SIGNAL	SQUEEZE(16:9)	16:9 TV Output
	CROP(4:3)	4:3 TV Output
SDI_TEST	ON/OFF	Select SDI-Test On/Off

2. Shutter Speed

Menu	Sub Menu	Setup Value	Description
ESC (Electronic Shutter Control)	.	X	X
MSC (Manual Shutter Control)	.	SHUTTER SPEED (Slow) 0 - 7 (Fast)	Setup shutter speed from 0 to 7
MIRIS (Electronic Shutter Control)	DC_LEVEL	0 - 255	DC value setup in Lens DC setup
		OFF	Flickerless off
FLK	FLC Mode	FIXED SHUTTER	Electronic Shutter Speed Fixed
		LOW SPEED SHUTTER	Used in a dark area
		GAIN MODULATION	Used in a bright area

3. Auto White Balance

Menu	Sub Menu	Setup Value	Description
ATW (Auto)	.	X	X
PUSH	.	X	R:G:B Balance 1:1:1 Mode
MWB (Manual)	R GAIN	UP / DOWN	Select UP or DOWN, then keep pressing SET. The value will be changed
		HOLD	Fix current white balance condition

4. Back Light Compensation

Menu	Setup Value	Description
BLC_ON_MODE	ON/OFF	ON/ OFF back light correction

5. Digital Slow Shutter

Menu	Setup Value	Description
DSS_MODE	ON/OFF	ON/ OFF Digital slow shutter
FRAME RATE	0-255	In MODE ON, Control Frame rate

6. Programmable GAIN Amplifier

Menu	Sub Menu	Setup Value	Description
AUTO	PGA AUTO	0-255	In low illumination, amplify image signal automatically
FIXED	PGA FIXED	1-7	Fix PGA amplification as setup value

7. Day&Night

. Convert in BW mode in Low Illumination (ON/OFF)

8. Color GAIN

Menu	Setup Value	Description
R GAIN	0-255	Control RED Saturation Value
B GAIN	0-255	Control BLUE Saturation Value

9. Color Phase

Menu	Setup Value	Description
R HUE	0-255	Control RED Saturation Value
B HUE	0-255	Control BLUE Saturation Value

10. Brightness

Y LEVEL(0-255) : Brightness control(0-255)

11. Sharpness

Menu	Setup Value	Description
HORIZONTAL	0-15	Control Horizontal Clarity
VERTICAL	0-15	Control Vertical Clarity

12. Y-GAMMA

Control Gamma Value as 8 Levels (0/ 0.8/ 1.0/ 1.25/ 1.5/ 1.8/ 2.2/ 2.6)

13. Mirror

Menu	Setup Value	Description
HORIZONTAL	ON/OFF	In ON mode, Horizontal Reversal
VERTICAL	ON/OFF	In ON mode, Vertical Reversal

14. EZoom

Menu	Setup Value	Description
ZOOM	0 ~ 255	Zoom In : Zoom value is increased Zoom Out : Zoom value is decreased
PAN	0 ~ 255	Image moves to up/down
TILT	0 ~ 255	Image moves to left/right

15. OSD Color : User can change the color value

Menu	Setup Value	Description
TITLE	TRANS, BLACK, DGREE,DYELL, DBLUE,	Title Color Value
MENU	DMAZE, DCYAN, GRAY, DGRAY, RED,	Main Menu Color Value
SUB MENU	GREEN, YELLOW, BLUE, MAZEN, CYAN,	Sub Menu Color Value
SELECT	WHITE	Select bar color value

16. Camera ID

. Camera ID Check
When you select Camera ID, ID that has been saved will be shown on the right side. If there is any setting ID, it does not show on the screen. After select Camera ID and click Enter button, ID modification screen is shown.

. Input Camera ID
You can move the cursor from Up/Down/Left/Right And When you click ENTER Key in a selected cursor, you can input ID.

- < : Move input ID to Left
- > : Move input ID to Right
- POS : Return location setup menu
- END : Exit setup menu
- CLS : Delete in order

17. Initialization Factory

. Initialize as default value when you select YES

19. Exit

- . Exit Setup
- . SAVE & EXIT SETUP : Save value and exit setup.
- . EXIT WITHOUT SAVING : Exit setup with previous setup value

Camera ID Location Setup		
1	ID DISPLAY(ON/OFF)	Shown ID on the screen when you select ON.
2	X COORDINATE(0-1263)	X Coordinate setup value
3	Y COORDINATE(0-695)	Y Coordinate setup value
4	FONT COLOR	Font Color
5	EDGE COLOR	Font outline color
6	BACKGROUND COLOR	Font background color
7	RETURN	Return ID input menu

18. Password

- . MODE
When you return Setup menu again in ON mode, it will ask you PASSWORD
- . SETUP
Press SET button and you have an access to PASSWORD setup mode, Return Setup screen when you press END button after input four-digit number.