CHDC-21BSDC

2.1M FULL HD CCTV CAMERA WITH ACUTELOGIC MODULE

*Auto Iris Lens Not Included

WHAT IS SDI?

Serial Digital Interface (SDI) refers to a family of video interfaces standardized by SMPTE. For example, ITU-R BT.656 and SMPTE 259M define digital video interfaces used for broadcast-grade video. A related standard, known as high-definition serial digital interface (HD-SDI), is standardized in SMPTE 274M; this provides a nominal data rate of 1.485 Gbit/s.

Digital : A digital system is a data technology that uses discrete (discontinuous) values. By contrast, non-digital (or analog) systems use a continuous range of values to represent information. Although digital representations are discrete, the information represented can be either discrete, such as numbers, letters or icons, or continuous, such as sounds, images, and other measurements of continuous systems.

FULL HD | 1920 x 1080p 30p / 25p or 1280 x 720 60p / 50p | **Video Output**
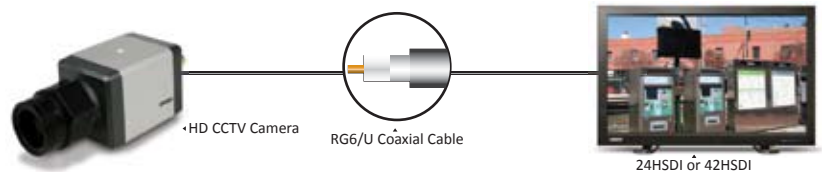
SPECIAL FEATURES

- C/CS Lens Mount
- A Variety of Resolutions Supported (1920 x 1080 30p / 25p, 1280 x 720 60p / 50p)
- HD-SDI SMPTE 274M Standard
- Not Compressed Transmission for No Signal Delay
- Video Transmission Up to 100M (5C-HFBT Coaxial Cable)
- NTSC / PAL Output (Mini Plug Connector)
- Easy Installation by Coaxial Cable

Day&Night	White Balance	DC 12V	2.1 Megapixel
OSD	WDR	1/3" CMOS	AUTO IRIS

APPLICATIONS

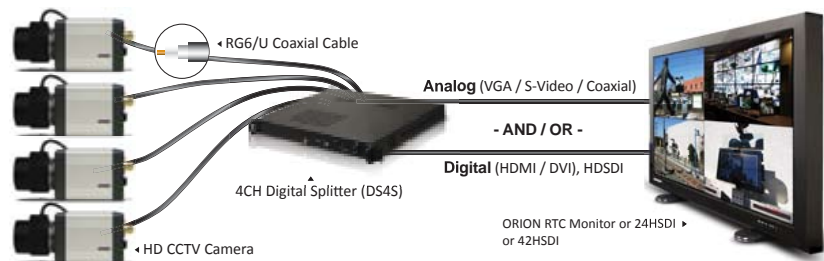### SOLUTION 1 / HD CCTV Camera + HD Monitor

1 HD CCTV Camera (SDI out) + RG6/U Coaxial (Max 300ft) + 24HSDI or 42HSDI (SDI In)

HD CCTV Camera
RG6/U Coaxial Cable
24HSDI or 42HSDI

SOLUTION 2 / HD CCTV Camera + Digital Splitter + ORION RTC Series or 24HSDI or 42HSDI

Up to 4 HD Camera's (SDI out) + 4ch Digital Splitter + RTC Series Monitor (Composite, HDMI, DVI Input) or HDSDI

RG6/U Coaxial Cable

Analog (VGA / S-Video / Coaxial)

- AND / OR -

Digital (HDMI / DVI), HDSDI

4CH Digital Splitter (DS4S)

HD CCTV Camera

ORION RTC Monitor or 24HSDI or 42HSDI

CHDC-21BSDC

HD CCTV CAMERA W/ ACUTELOGIC MODULE

SPECIFICATIONS

CHDC-21BSDC	
Image Sensor	1/3" CMOS
Effective Pixels	1944(H) x 1092(V), 2.1M Pixels
Sync System	Internal
Video Output	HD-SDI (SMPTE 274M) / 75 ohm BNC x 1 1920 x 1080 30P / 25P, 1280 x 720 60P / 50P
	NTSC / PAL 1Vp-p / 75 ohm Mini-Plug x 1 4:3 or 16:9 Selectable
	Color Bar Signal
Minimum Illumination	0.1 lux (F1.2, 50 IRE, AGC Max)
Auto White Balance	Auto / Manual
Backlight Compensation	Built-in
Noise Reduction	Built-in
Electric Shutter	Auto / Manual (Manual: 1/30, 1/60, 1/120, 1/250, 1/700, 1/1000, 1/1600, 1/2500, 1/5000, 1/7000,1/10000, 1/30000 sec)
Auto Iris Function	DC or Video Selectable
Day and Night	Built-in
Mirror Image	Built-in (Horizontal and Vertical)
Privacy Mask Function	Built-in
Motion Detection	Built-in
Camera ID	Built-in
Lens Mount	CS Mount (C Mount Ring is provided as standard)
Power Requirement	DC 12V (Voltage Tolerance: 10V ~ 16V) 190mA +- 10%
Power Consumption	Max 2.3W
Operating Temperature	32° – 122°F (0° – 50°C)
Operating Humidity	20 ~ 80%
Camera Mount	1/4" - 20UNC x 2 (Top and Bottom)
Dimensions	4.02" x 2.32" x 2.32"
Weight	0.55 lbs

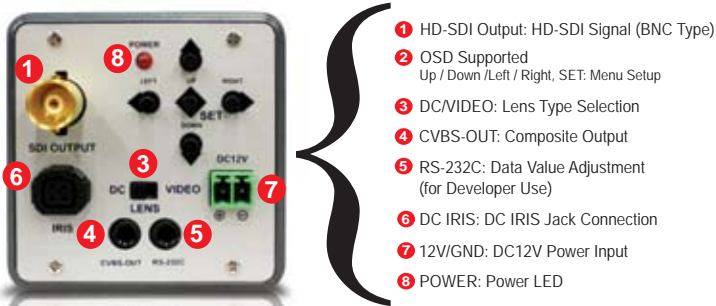*Design and specifications are subject to change without notice*

WHERE TO USE

ORION CHDC-21BSDC HD CCTV Camera can be used in Bank, Casino, High Technology Store, Military, Police Station, Conference Room, Business and etc...

ANALOG CAMERA

4:3

CHDC-21BSDC

16:9

NTSC / PAL Resolution

HDTV Resolution (16:9)

▲ The license plate number is clearly captured with high resolution

INPUTS

1. HD-SDI Output: HD-SDI Signal (BNC Type)
2. OSD Supported
   Up / Down /Left / Right, SET: Menu Setup
3. DC/VIDEO: Lens Type Selection
4. CVBS-OUT: Composite Output
5. RS-232C: Data Value Adjustment (for Developer Use)
6. DC IRIS: DC IRIS Jack Connection
7. 12V/GND: DC12V Power Input
8. POWER: Power LED

MORE PRODUCT VIEW

▲ Front View

▲ Side View

◄ Rear Quarter View

DIMENSION

4.02"

2.32"

2.32"

ver. 111208-1.2

GSA Contract No. GS-03F-0152X