



CHDC-21BSDHC

2.1M FULL HD CCTV CAMERA WITH SDI AND HDMI OUTPUT

*Optional: 3MP CM3105IR Varifocal Lens

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/296M; this provides nominal data rate of 1.485 Gbit/s., 3G-SDI is standardized in SMPTE 372M providing a nominal data rate of 2.970 Gbit/s.

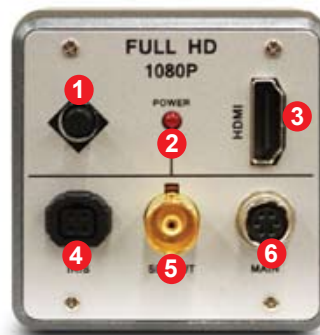
FULL HD 1920 x 1080 60p / 50p / 60i / 50i or 1280 x 720 / 60p / 50p **Video Output**

SPECIAL FEATURES

- » 1/3" 2.1M Panasonic CMOS Image Sensor
- » Full HD 1920 x 1080 (60P / 60i / 50P / 50i / 30P / 25P) 1280 x 720 (60P / 50P / 30P / 25P)
- » SDI / HDMI Simultaneous Output
- » Advanced RGB Interpolator for High Resolution
- » Wide Dynamic-Range Compensation (WDR)
- » Adaptive Digital Noise Reduction
- » Adaptive Contrast Enhancer (ACE)
- » Lens shading Compensation
- » Live Defect Detection & Correction (Manual: 1024ea)
- » High Light & Privacy Masking
- » Motion Object Detecton
- » Color Rolling Suppression
- » On Screen Display

Day&Night	White Balance	DC 12V	2.1 Megapixel	HD/3G-SDI
OSD	WDR	1/3" CMOS	AUTO IRIS	HDMI

OUTPUT INTERFACE



- 1 Setup Switch**
The switch is used for setting and adjusting the camera's functions and properties.
- 2 Power LED**
This lamp turns on when the proper power is applied to the camera.
- 3 HDMI Out Terminal**
HDMI terminal for HD-SDI video signal output
- 4 IRIS Connection**
DC IRIS Jack Connection
- 5 HD-SDI Video Out Terminal**
BNC terminal for HD-SDI video signal output
- 6 Main Cable Terminal**
6 pin main cable connector.

OPTIONAL LENS



	CM3105IR
Mount Type	CS
Image Format	1/2.7"
Focal Range	3 ~ 10.5 mm
Focus Distance	0.3m ~ ∞
F No.	F1.4 ~ close
IRIS	DC Motor
Weight	39g Approx
Operation	

GSA Contract No. GS-03F-0152X

For design help, accessories or pricing, please contact: sales@avsupply or call: 1-858-565-1101

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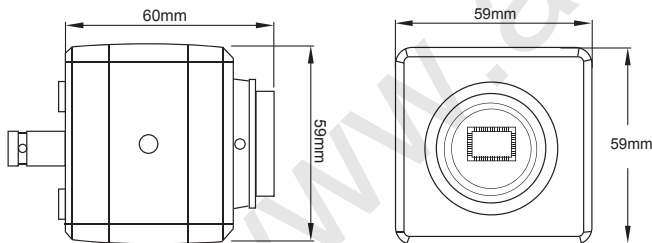
HD CCTV CAMERA W/ SDI AND HDMI OUTPUT

SPECIFICATIONS

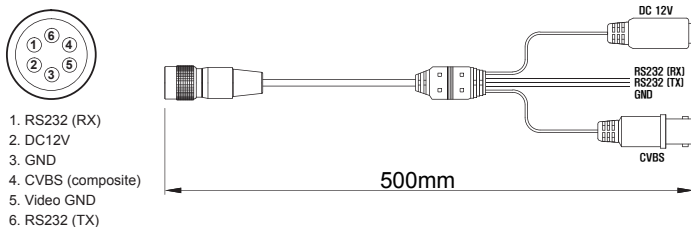
CHDC-21BSDHC	
Image Sensor	1/3 Inch progressive CMOS, 2.1Megapixel
Total Pixels	2010(H) x 1108(V) / 2,227,080 (Pixel)
Effective Pixels	1944(H) x 1092(V) / 2,122,848 (Pixel)
Scanning System	Progressive Scan (Sync System Internal)
Video Output	HD-SDI / 3G-SDI
	1920 x 1080p (25, 30, 50, 60fps, 1080i / 50, 59.94, 60) / 1280 x 720p (50, 60fps)
	HDMI
	NTSC, PAL Composite (1.0Vp-p, 75ohm)
	Color Bar Signal
Horizontal TVL	More than 1000 TVL
Minimum Illumination	0.1Lux (F1.2, 50 IRE, AGC MAX) / DSS X4:0.01 Lux
S/N Ratio	More than 50dB (AGC Off)
LENS Mount	C, CS
Serial Port	RS-232
Electric Shutter	AUTO / MANUAL (1/30(25) ~ 1/30,000 sec)
Auto White Balance	AUTO / Pushing / Manual (3000K, 5000K, 8000K, R-Gain, B-Gain)
Backlight Compensation	BLC (Off / On)
Digital Noise Reduction	DNR (Off / Low / Middle / High)
Wide Dynamic-Range	WDR (Off / Low / Middle / High)
Mirror Image	MIRROR, FLIP (Off / On)
Privacy Masking	Yes
Motion Detection	Yes
Digital ZOOM	Yes
Camera ID	Yes
Operating Temperature	0°C ~ 40°C
Operating Humidity	Under 90% Non-condensing
Power	DC12V 400mA, 4.8.W
Dimensions (W x H x D)	59mm x 59mm x 60mm
Weight	200g (0.44 lbs)

*Design and specifications are subject to change without notice

DIMENSION



MAIN CABLE CONFIGURATION



APPLICATION

The new ORION Images CHDC-21BSDHC HD CCTV 2.1 Mega pixel Camera can be used in Security and Medical applications.



Compound Microscope



Surgical Microscope



Slit Lamp



Security Surveillance System



Traffic Control Inspection



Visual Inspection System

MORE PRODUCT VIEW



Front View



Side View



Top View



Rear Quarter View



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