

## Specification

Model	CCA-2810WF-20
Pick up Element	1/4" Aptina 1.0MP CMOS Sensor
Effective Picture Elements (H×V)	NTSC: 1280(H)×720(V)
Resolution	720p
Minimum Illumination	0.01 Lux/F1.2 0Lux (with IR LED ON)
S/N Ratio	More than 50dB
Scanning System	Progressive Scan
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	NTSC: 1/30s~1/60,000s
Gama Characteristic	0.45
IR Distance	65 Feet (with $\phi$ 5X24 PCS Infrared LED)
Video Output	1Vp-p, 75 $\Omega$ (AHD & 960H)
Auto Gain Control	Auto
Power/Current	DC12V(+/-10%)/500mA
Lens	Board Lens 3.6mm
Dimension (in)	3.8" x 2.8"
Weight (oz)	14.5
Storage Temperature	-22~+140° F RH95% MAX
Operating Temperature	+14~+122°F RH95% MAX

## Packing List

No	Name	Model	Number
1.	Weatherproof IR Dome Color Camera	CCA-2810WF-20	1
2.	User Guide	CCA-2810WF-20	1

## CCA-2810WF-20 Color Camera

### Vandalproof IR Dome Color Camera AHD/960H Analog



**NOTE:**  
Please read this guide BEFORE  
installing



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## BRIEF OF PRODUCT

**\* Sensor (CCD)**

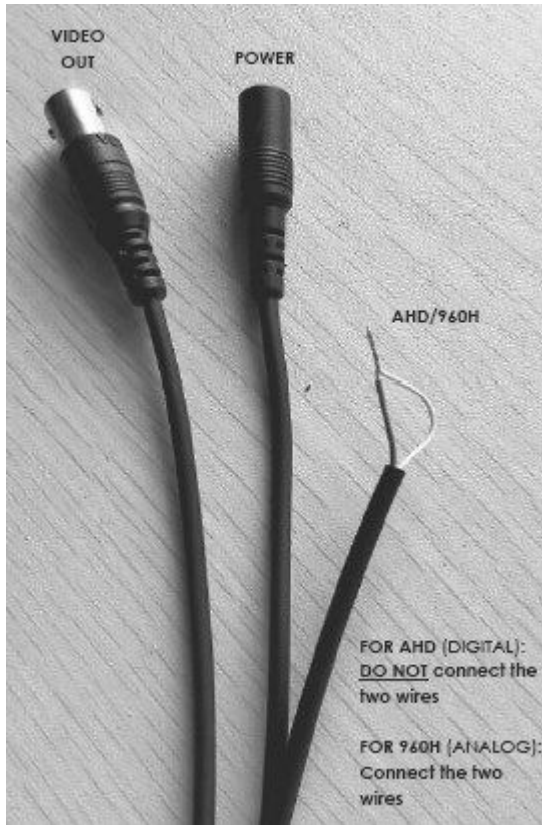
1/4" Aptina 1.0MP CMOS Sensor

**\* Auto Gain Control (AGC)**

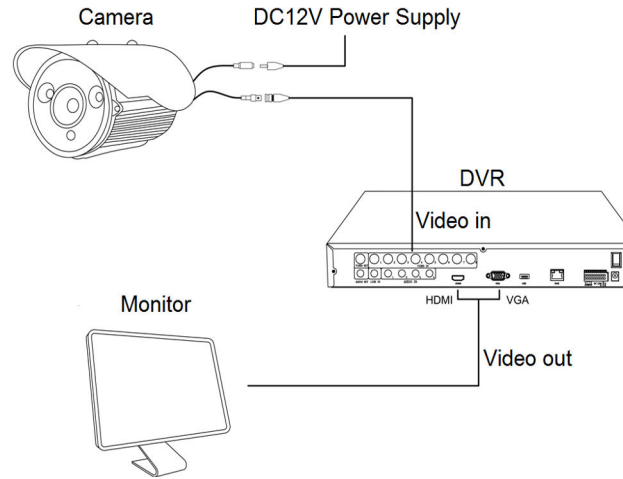
Built-in auto gain control (AGC) circuit. The color camera can get high definition picture in low Lux condition.

**\* Scanning Mode**

NTSC



## CONNECTING



## TROUBLE AND SOLUTION

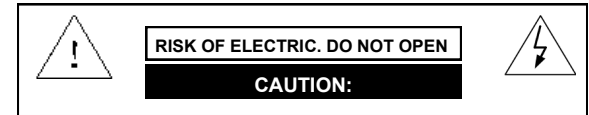
TROUBLESHOOTING	
<b>NO VIDEO</b>	<ul style="list-style-type: none"> <li>◆ <u>Power</u> <u>Supply</u> Check input power connections at the terminal (AC/DC input wires)</li> <li>◆ <u>Voltage</u> <u>Range</u> Measure the voltage at the terminal block. The supply range is: 24VAC or 12VDC.</li> <li>◆ <u>Video</u> <u>Connection</u> Determine if wiring polarity at "Video Connector" is correct.</li> </ul> <p>If ok, the problem may be with the interconnections/splices.</p>
<b>ROLLING PICTURE</b>	<ul style="list-style-type: none"> <li>◆ Check to make sure the coax shield is not touching "ground"</li> </ul>
<b>POOR PICTURE</b>	<ul style="list-style-type: none"> <li>◆ Ensure that the video cable is terminated with 75 ohms at each end.</li> </ul>

## INTRODUCTION

The Crest Electronics CCA-2810WF-20 camera is based on the latest high-resolution 960H sensor and is capable of delivering a resolution of 720p. The Wide Dynamic Range of the sensor allows the camera to capture detailed images even in challenging lighting conditions. With built in Smart IR and varifocal lens, this camera can be used to suit a wide variety of needs.

Please read this instruction manual carefully to ensure proper use of the camera.

**i** NOTICE: For best result, please read this instruction booklet prior to installing the CCA-2810WF-20 camera.



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER OR BACK NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

**CAUTION: CSA CERTIFIED/UL LISTED CLASS 2 POWER ADAPTORS MUST BE USED IN ORDER TO COMPLY WITH ELECTRICAL SAFETY STANDARDS.**

**Note:**

- Please note the camera's operating temperature is 14°F~122°F. Use of the product outside this range is not recommended.
- This installation should be made by a qualified service person and conform to all local codes. Crest Electronics will not be responsible for damages or injuries as a result of improper installation