



CHDC-24SDHC

2.4MP FULL HD 10x ZOOM CAMERA FOR BROADCAST & SURVEILLANCE APPLICATIONS

ORION Images offer a new 10x optical zoom camera CHDC-24SDHC to replace the CHDC-22SDC / 22SDHSC. This new 10x optical zoom camera outputs HD-SDI, 3G-SDI, HDMI and CVBS simultaneously. CHDC-24SDHC camera offers many features for your application needs.

FULL HD

1080i (59.94/50), 720p (60/50) or 1080p (59.94/50/30/25)

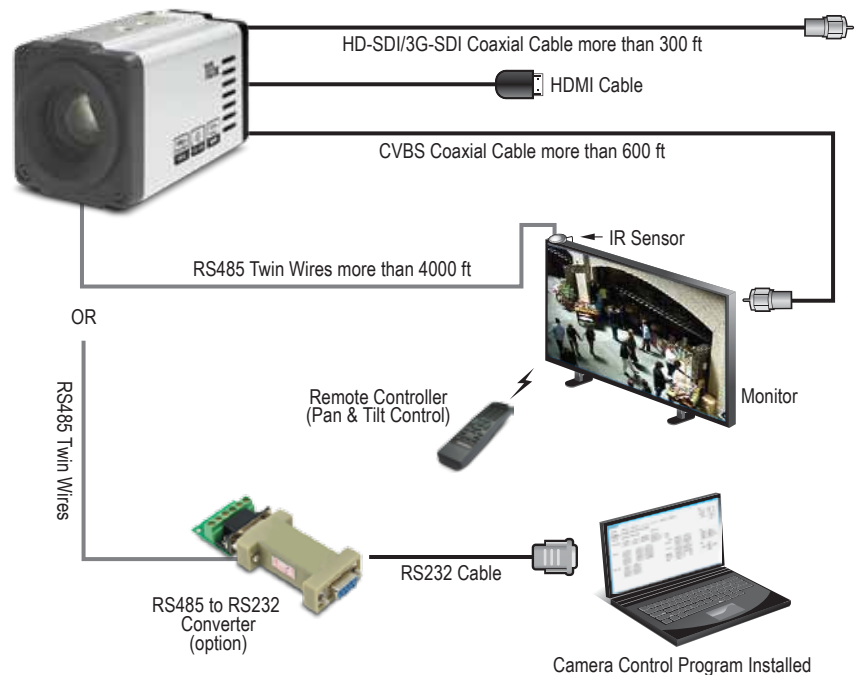
Video Output

SPECIAL FEATURES

- » Optical 10X Zoom (5.1 - 51mm) & Digital 32x Zoom
- » A Variety of Resolutions Supported
 - 720p 60 / 50
 - 1080i 59.94 / 50
 - 1080p 59.94 / 30 / 29.97 / 25
- » HD-SDI SMPTE 274M Standard
- » Not Compressed Transmission for No Signal Delay
- » Video Transmission Up to 100M (REG/U Coaxial Cable)
- » Remote Control (RS485)
 - Pelco-D / Pelco-P / VISCA
 - Wireless Control
 - Serial Control Program
- » Easy Installation by Coaxial Cable

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|-----------|---------------|--------|---------------|--------|
| Day&Night | White Balance | DC 12V | 2.4 Megapixel | HD-SDI |
| OSD | WDR | 1/2.5" | 10X 5.1-51mm | HDMI |

APPLICATIONS



SPECIFICATIONS

| CHDC-24SDHC | |
|----------------------------|---|
| Image Sensor | 1/3" Panasonic CMOS Sensor |
| Active Pixels | 1,944(H) x 1,092(V), 2.12M Pixels |
| Scanning System | Progressive Scan |
| Sync. System | Internal |
| Resolution | Digital: 1080i/59.94, 1080p/29.97, 1080i/50, 1080p/30(25) 1080p/59.94(50), 720p/60(50) Analog: 700TVL |
| Min. Illumination | Color: 0.5 lux, BW: 0.1 lux Color DSS: 0.002 lux, BW DSS: 0.001 lux |
| Video Output | HD: HD-SDI, HDMI, Analog SD: VBS (without WDR) |
| S/N Ratio | More than 50dB (AGC off) |
| Lens Type | 10x Day & Night Zoom Lens |
| Zoom Ratio | Optical x10, Digital x32 Zoom |
| Focal Length | f = 5.1mm ~ 51mm |
| Aperture Ratio | F1.6 (Wide) ~ F1.8 (Tele) |
| Angle of View (D, H, V) | Wide 68° 54° 31° Tele 6.7° 4.9° 4.0° |
| Focus | Mode / Distance / Zoom Speed / Lens Refresh / E.Zoom |
| Mode | Auto / One Push / Manual |
| Distance | 0.1 / 1.0 / 3.0 / 5.0 / 10.0m |
| Zoom Speed | 0(Slow) ~ 7(Fast) |
| Lens Refresh | One Push / 1 ~ 10 Day |
| E.Zoom | Off / Max x2 ~ x32 |
| Zoom Preset | 5 Preset |
| Exposure | Mode/ AGC/ Shut Speed/ Iris/ DSS/ Flickerless/ Brightness/ WDR/ BLC/ D&N |
| Mode | Auto / Iris. Priority / Shut. Priority / Manual |
| Gain Control (AGC) | Off / On |
| Shutter Speed | 1/30(25) ~ 1/30,000 sec |
| Iris | 0 ~ 20 steps |
| Digital Slow Shutter (DSS) | Off / x2 / x4 (x8: 60 or 50 fps mode only) |
| Flickerless | Off / On |
| Brightness | 0 ~ 20 steps |
| WDR / BLC | Off / WDR / BLC |
| Day & Night | Auto / Day / Night / Ext-in |
| White Balance | Auto / One Push / Manual / Inddor / Outdoor |
| Image | HLC / DNR / Mirror / Sharpness / ACE / Defog / Freeze / Gamma |
| HLC | Off / On / Night Only |
| DNR | Auto / Off / Low / Middle / High |
| Mirror | Off / H / V / H&V |
| Sharpness | 0 ~ 10 steps |
| ACE | Off / Low / Middle / High |
| Defog | Off / On (Auto / Manual) |
| Freeze | Off / On |
| Gamma | 0.45 / 0.55 / 0.65 / 0.75 |
| Intelligence | Privacy / Motion / DIS |
| Privacy Mask | Off / On (24 points) |
| Motion Detection | Off / On (3 points) |
| Digital Image Stabilizer | Off / On |
| Special Func | Defect / Image Range / System / HD Format / COMM |
| Defect DET | Off / On |
| Image Range | Full / Comp. / User |
| HD Format | 1080i/59.94, 1080p/29.97, 1080i/60(50), 1080p/30(25), 1080p/59.94(50), 720p/60(50) |
| Display | Disp Sel / Set Title / Init Sel / Set Init Msg / Language |
| Disp Sel / Set Title | ID / Title / Zoom Ratio / System Message, Text Edit |
| Init Sel / Set Init Msg | ID / Braud Rate / Protocol / Version / Init. Message, Text Edit |
| Language | English / Chinese / Japanese |
| Power Source | DC12V +/- 10% |
| Power Consumption | MAX 700mA |
| Storage Temperature | -20°C ~ +60°C |
| Operation Temperature | -10°C ~ +50°C |
| Weight | 570g |

*Design and specifications are subject to change without notice

WHERE TO USE

ORION Images 10x Zoom CHDC-24SDHC HD Camera can be used in Production Studio, Church, Wedding Hall, TV Station and etc...



Church



Wedding Hall



Production Studio



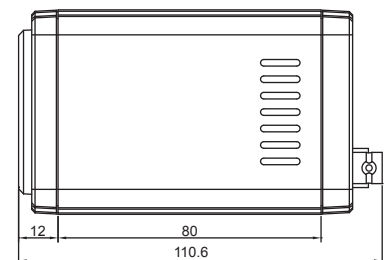
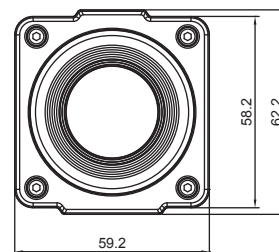
TV Station

INPUTS



- 1 OSD / ZOOM / FOCUS control
- 2 HDMI output
- 3 HD-SDI / 3G-SDI output
- 4 POWER LED
- 5 Power & communication terminal

DIMENSION



MULTI PORT

