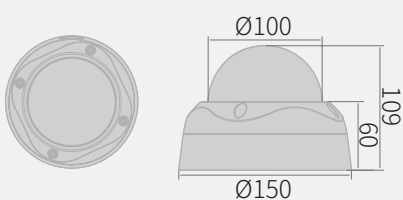


HD-SDI Camera

KPC-HDV303M

- 1/3" 2.12MP Progressive Scan CMOS
- Min. Illumination of 0.03 Lux
- Varifocal Lens
- WDR, TDN, 3DNR, DSS, BLC
- IP66
- 12VDC Max. 160mA

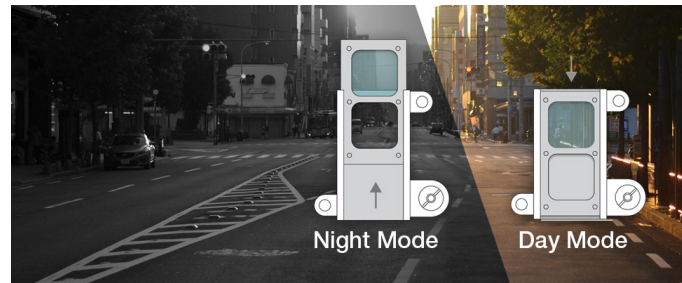
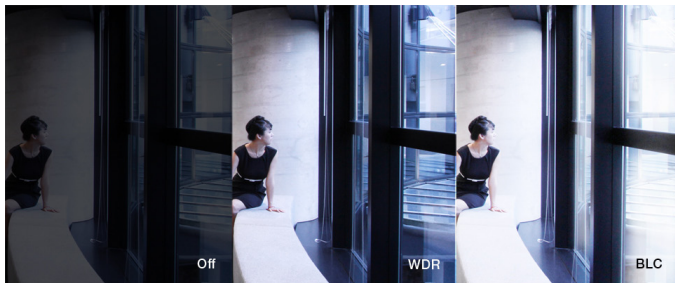


Features

KPC-HDV303M

1/3" 2.12MP Progressive Scan CMOS
Min. Illumination of 0.03 Lux
Varifocal Lens

WDR, TDN, 3DNR, DSS, BLC
IP66
12VDC Max. 160mA



WDR

WDR technology helps to get detailed information in harsh lighting, by capturing alternate frames using different exposure times. The frame with longer exposure time captures details in darker parts of the scene, while the frame with shorter exposure time captures the brighter areas. The camera combines the optimal portions of these two complementary frames to produce the most detailed image possible.

TDN

True Day/Night feature can be used for precise color reproduction. With built-in dual filter system, as known as Infrared Cutoff Removal (ICR) mechanism, the infrared cutoff filter can be used at day time, or in bright lighting conditions, to provide enhanced image in full-color. At night time, or in harsh lighting conditions, it will be removed for greater light sensitivity in monochrome mode.

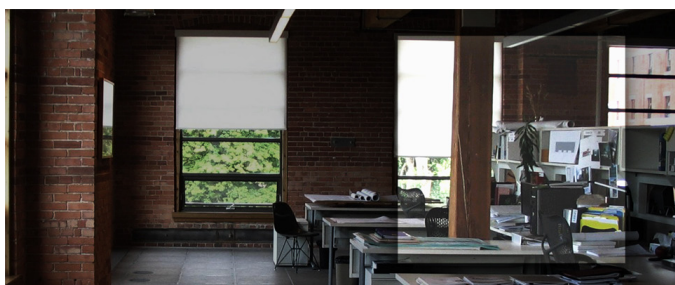


3DNR

DNR technology is crucial for surveillance camera. 3DNR works by analyzing the differences between successive frames in order to adjust pixels and improve.

DSS

Digital Slow Shutter (DSS) technology enhances the low light performance of a camera, producing outstanding images in low light conditions. DSS slows the picture frame rate and increases the camera's sensitivity.



BLC

BLC technology works by reducing the dynamic range of the entire image, while retaining the overall contrast. By compensating for unbalanced in a scene, detail is restored throughout the field of view so as to provide better visibility to identify an object of interest.

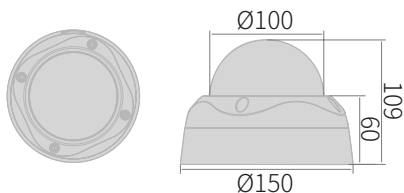
IP66

Ingress Protection (IP) rating defines protection against solid objects and liquid on a 0-6 and 0-8 scale. IP66 housing means it's dust-tight and protected against strong jet-water.

HD-SDI Camera

KPC-HDV303M

Dimensions



Specifications

| | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Effective Pixels | 1944(H) x 1092(V), 2.12MP |
| Max. Video Resolution | 1080p@30(25)fps / 720p@60(50)fps |
| Lens | f=2.8-12mm (2MP) / f=3.6-16mm (1.3MP) / f=3.5-16mm (3MP) |
| FOV | f=2.8-12mm (109.4°-37.8°(D)) / f=3.6-16mm (109.01°-27.79°) / f=3.5-16mm (108.86°-27.79°) |
| F-Stop | f=2.8-12mm (F1.6) / f=3.6-16mm (F1.2) / f=3.5-16mm (F1.2) |
| Min. Illumination (AGC Max) | 0.03 Lux (F1.2, ICR Off, DSS Off) / 0.004 Lux (DSS Max.) / 0.0009 Lux (F1.2, ICR On, DSS Off) / 0.0001 Lux (DSS Max.) |
| S/N Ratio | >52dB |
| Shutter Speed | 1/30(1/25) s - 1/30,000 s |
| IR LED | - |
| IR Distance | - |
| Day / Night | True D/N |
| White Balance | Auto / Auto ext / Push Lock / Manual |
| Digital Zoom Ratio | 1x - 20x |
| WDR | WDR |
| BLC | OFF/ON(Area adjustable) |

| | |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| DNR | 3DNR |
| DSS | Off - 8x |
| AGC | 0 ~ 20 |
| Other Function(s) | FLIP(H/V/HV), HLMASK, SHARPNESS, GAMMA, LENS SHADING, PATTERN (COLOR BAR) |
| Privacy Masking | 16 zones |
| Motion Detection | - |
| Video Output (Main) | HD-SDI |
| Video Output (Service) | Composite |
| OSD Control | Built-in Controller |
| OSD Language | ENGLISH, RUSSIAN, SPANISH, GERMAN, FRENCH, PORTUGUESE, JAPANESE |
| Housing Material | Aluminium (Bubble : Plastic) |
| IP Rating | IP66 |
| Operating Temperature | -40°C to 50°C (-40°F to 122°F) w/Heater |
| Max. Power Consumption | 12VDC 160mA 12VDC 1.02A (Heater On) 24VAC 2.9W / 12VDC 200mA 24VAC 14.1W / 12VDC 450mA (Heater On) |
| Dimensions (W x H x D mm) | (Bubble Ø100) Ø150.5 x 108.5 |
| Weight | Approx. 869 g (1.91 lbs) |

Ordering Information

KPC-HDV303M (Not all combinations are possible)

| Signal Type | Lens | Heater | Voltage | Video Cable | Silk Printing |
|-------------|----------------------------------------|------------|--------------------|----------------|----------------------------|
| NTSC | f=2.8-12mm (2MP) | w/ Heater | 12VDC Only | BNC | KT&C-printed |
| PAL | f=3.6-16mm (1.3MP) f=3.5-16mm (3MP) | w/o Heater | Dual (24VAC/12VDC) | Terminal Block | OEM-printed Non-printed |