



# Resolution HD-SDI

 **KPC-HDR28V1 2IRM**

Outdoor, IR Dome: True Day/Night, 1080p/720p, OSD, 2.8-12mm, IP68, 100' Optimized IR Range, Dual Voltage

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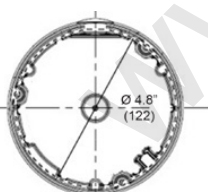
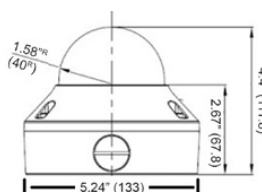
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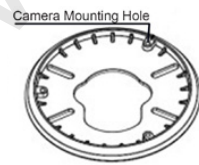
### Features

- Full HD 1080p or HD 720p resolution for amazing image quality
- 1/3" 2.1 Megapixel Panasonic CMOS Sensor
- True Day/Night zero light operating range of 100 feet or more (depending on scene reflectivity) from 24 IR LEDs with Intensity Optimization to achieve proper IR illumination
- 3-Axis gimbal for convenient wall or ceiling mounting with integral liner to inhibit observation of camera direction
- 2.8–12mm 2 Megapixel Aspheric Varifocal DC iris lens to capture the desired field of view
- Simple and easy to use OSD setup menu
  - Digital Slow Shutter (DSS) low light boost
  - Digital Wide Dynamic Range for proper contrast in challenging bright or unbalanced scene lighting conditions
  - Programmable Back Light Compensation (BLC) and Highlight Compensation (HLC)
  - Adjustable 3D-Noise Reduction to increase low light picture clarity and conserve DVR HDD disk space
  - Defog function to improve image clarity from scenes obscured by smoke or haze
  - Privacy masking for 15 configurable zones
- Dual voltage (12VDC/24VAC) with low current draw
- IP68 waterproof construction (mounting screws sealed outside of critical electronics) with side 3/4" conduit access
- Analog NTSC/PAL Service Video output for convenient installation, and ease of service
- Optional KA-RCMP1 rough-in box adapter fits 1 or 2 gang or 4" octagonal/square/round boxes

### Dimensions (Unit: mm)



### Accessories:



KA-RCMP1  
Optional  
Electrical Box  
Mounting Plate



True  
Day/Night

2.8-12  
mm

3D  
DNR

3Axis

1080p  
720p

Defog

BLC  
HLC

DC12  
Dual Voltage  
AC24V

Digital  
WDR

Direction  
Liner

IP68  
WATER  
PROOF

100'  
Optimized  
IR Range

OSD

Privacy  
Mask

Rugged  
Housing

Analog  
Service  
Video

DSS

Electrical  
Box Mount  
Option

### Technical Specifications

|                              |  |
|------------------------------|--|
| Imaging Device               | 1/3" 2.1 Megapixel Panasonic CMOS  |
| Video Format, Main Output    | BNC, HD-SDI  |
| Image Output                 | 1920 x 1080 (30/25 FPS) or 1280 x 720 (60/50 FPS)  |
| Effective Picture Elements   | 1944 (H) x 1092 (V)  |
| Unit Cell Size               | 2.75µm x 2.75µm  |
| Horizontal Resolution        | 1080 TVL   |
| Sensitivity                  | 0 lux IR on; .2 lux native from sensor; .006 lux DSS On  |
| IR LED                       | 24 LEDs, 850nm   |
| IR Range*                    | 100' (* As with all IR cameras, IR range will vary based on scene IR reflectivity and illumination)              |
| Optimized IR Exposure Adjust | Off/On; adjustable for level   |
| S/N Ratio                    | Over 52dB (AGC off)  |
| Service Video Output         | BNC 1.0V p-p 75Ω; video test point inside dome, cable supplied OSD selectable for NTSC/PAL                       |
| Lens Type                    | 2 Megapixel Aspheric Varifocal DC Iris 2.8–12mm F=1.6  |
| Lens Positioning             | 3-axis flexible positioning for wall or ceiling mounting   |
| Highlight Compensation       | OFF/ON; Level, Color, Mode Selectable  |
| Auto Gain Control            | Off/Low/Middle/High  |
| Electronic Shutter           | Auto; or 1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000, 1/30000                       |
| White Balance                | Auto/Auto Ext/Push Lock/Manual   |
| Sync. Mode                   | Internal   |
| Day & Night                  | Auto True D/N with motorized ICR; controlled by photo sensor   |
| OSD Menu                     | Multiple functions using 3-axis joystick   |
| OSD Languages                | English, Spanish, Portuguese, German, Russian, Japanese, French  |
| 3D-DNR                       | Off, Low, Middle, High   |
| WDR/BLC                      | On/Off (Level Adjustable 0–4; area size and position selectable)   |
| Mirror                       | H, V, HV Flip  |
| Motion Detection             | Off/On for 4 selectable zones (On screen indication)   |
| Privacy Mask                 | Off/On for 15 programmable zones   |
| Digital Slow Shutter         | Off, 2X–32X. (Levels beyond 4x–8X should only be used with great care.)  |
| Defog                        | Off/On with mode and level adjust  |
| Other OSD Functions          | Camera Title, Image Contrast/Sharpness,  |
| Power Source                 | 12VDC/24VAC  |
| Power Consumption            | 12VDC:330mA max. / 24VAC:3.9W max.   |
| Operating Temperature        | 14 ~140°F ; -10~60°C   |
| Environmental                | IP68 waterproof  |
| Mechanical                   | Vandal proof construction  |
| Dimensions                   | 5.24"(133mm) diameter., 4.4"(111.8mm) high With box adapter 5.91" (150mm) diameter x 4.72" (119.8mm) high        |
| Weight                       | 26.1 oz./ 1.63 lb. / 740g  |
| Mounting Options             | Side conduit fitting; Optional KA-RCMP1 rough-in box adapter fits 1 or 2 gang or 4" octagonal/square/round boxes |
| Certifications               | CE / FCC / RoHS  |

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KPC-HDR28V12IRM: 2.8-12mm

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