

KNC-p2DR28V12IR

2.1 Megapixel 2.8-12mm, Outdoor IR Dome with 100' IR Range, Digital Day/Night, OSD, IP68, PoE+12VDC



2.1 Megapixel

Day/Night

2.8-12mm

3D DNR

3-Axis

4-Stream

BLC | HLC

PoE & DC12V

Service Video

Digital WDR

Direction Liner

IP68 Waterproof

OSD

Privacy Mask

Rugged Housing

ONVIF Profile S

Audio In/Out

Alarm In/Out

Smart IR
100' Range

Micro SDHC

Electrical Box
Mounting Option

Features

- Resolution of 1920x1080~320x240, H.264 or MJPEG at up to 30FPS
- Constant or variable bit rate control 1.4~8Mb/s with up to four video streams
- ONVIF Profile S; Open API for integration by API, SDK
- 1/2.8" SONY 2.43M Progressive Scan CMOS
- Varifocal Aspheric 2.8~12mm 2 Megapixel lens to capture the desired field of view
- True Day/Night zero light operating range of 100 feet or more (depending on scene reflectivity) from 24 IR LEDs
- Light sensitivity of 2lux @ F2.5, DSS* off; .05lux DSS* max.; 0 Lux (IR LED On)
- CVBS analog service video output inside housing
 - Use standard hand held test monitors
 - Convenient aim and focus; ease of service
- Easy to use OSD setup menu
 - Digital slow shutter (Sens-Up) low light enhancement (More than 2~4X enhancement should be limited to select applications.)
 - Digital Wide Dynamic Range to handle the most challenging of bright or unbalanced lighting conditions
 - Programmable Back Light Compensation (BLC) and Highlight Suppression Back Light Compensation (HSBLC)
 - Adjustable 3D Noise Reduction to increase low light picture clarity and conserve DVR HDD disk space
 - Video motion detection
 - Privacy masking
 - Defog improves image contrast in the presence of haze or smoke that obscures image details
 - Brightness, contrast and saturation adjust
 - Image rotation
- Audio in and out
- Alarm trigger in and out
- Micro SD card slot supports up to 32Gb of SDHC storage
- Integral liner inhibits observation of camera direction
- Dual power PoE class 3 (IEEE 802.3af) 4.2W or 12VDC +/- 10% 350mA
- IP68 water proof, vandal proof construction
- Operating temperature range of -14 °F ~ 122 °F
- Easy mounting using 3-Axis positioning for convenient wall or ceiling mounting
 - Optional KA-RCMP1 for mounting to standard electrical boxes
 - Optional KA-RCWM1 wall mounting arm

Ordering Information

KNC-p2DR28V12IR: 2.8-12mm, 100' IR Range



KNC-p2DR28V12IR Specifications

| | |
|---------------------------|--|
| Camera | |
| Image Sensor | 1/2.8" SONY 2.43M Progressive Scan CMOS |
| Total Pixels (H x V) | 1920x1080 2.1 Megapixel @ Maximum Resolution |
| Day & Night | True Day & Night with ICR; Controllable by light sensor |
| Min. Illumination | .2lux @ F2.5, DSS off .05lux @ DSS max DSS levels above 4X should be used only after careful consideration of scene dynamics, 0 Lux (IR LED On) |
| IR LED | 24 IR LED 850nm |
| IR Distance | 100 ft. (30m) Nominal, |
| Shutter Speed | 1/30s ~ 1/8,000s |
| DWDR/BLC | DWDR: Off/Auto, Weak, Medium, Strong BLC: User controlled area and level |
| White Balance | Auto, Hold, Incandescent, D4000, D5000, Sunny, Cloudy, Flash, Under water |
| 3D DNR | Level Adjust 0~255 |
| DSS | Off/Auto |
| Day/Night Modes | Auto, color, B/W, with OSD controlled level and delay |
| Flickerless | Off, 60Hz, 50Hz |
| Lens | |
| Focal Length | 2.8~12mm |
| Lens Angle | 1920 x 1080: Angle of view: 98.5°(2.8mm), 79°(4mm), 49°(6mm), 23.2°(12mm) |
| Lens Type | Manual Varifocal, DC-Iris with OSD control |
| Video | |
| Compression | H.264 Main Profile & MJPEG |
| Supported Resolutions | H.264: 1920x1080~320x240 MJPEG: 1920x1080~320x240 |
| Maximum Frame Rates | 30FPS H.264 @ MJPEG |
| Bit Rate | Choice of constant or variable bit rate 1.4~8Mb/s I frame interval 1~30 |
| Streaming | Four streams at different frame rates and bandwidth |
| Image Settings | Brightness, Contrast, Saturation, Sharpness, White Balance, Exposure Control, Image rotation, Text and Image overlay, Privacy Masking, BLC, AGC, D-WDR, 3D DNR, DSS (Slow Shutter Mode) |
| Audio | |
| Input | Wire Leads: OSD volume control |
| Input Codec | G.711 a-law, μ -law 64Kb/s; G.726 variable B/W |
| Output | Wire Leads: OSD volume control |
| Output Codec | G.711 μ -law 64Kb/s |
| Network | |
| LAN | Ethernet 10/100 Base-T (RJ-45 Type) with weather sealed shell |
| Security | Multiple user access levels with password protection; IP address filter (Deny/Allow) |
| Protocol | IPv4, HTTP, HTTPS, TCP, RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, ICMP, DHCP, ARP, DNS, DDNS, UPnP, SSL |
| Network Storage | Video upload to PC, FTP or NAS |
| VMS Compatibility | ONVIF Profile S; Open API for SDK integration |
| Supported Browsers | Internet Explorer (with ActiveX plug-in) support for video format change, stream play/stop, Snapshot, Instant recording (300 s. max.), Screen Magnification, Full Screen Display; Live view image popup from within Configuration menu to check image without exiting menus. |
| Intelligent Video | |
| Video Motion Detection | With arming schedule and multiple actions: notify NVR, send email, upload to FTP, trigger alarm output |
| System Integration | |
| API | ONVIF Profile S; Open API for integration by API, SDK |
| Alarm & Event | |
| Alarm Triggers | Intelligent video Motion Detection, Network Fail, SD Card Scheduling, Reboot |
| Alarm Events | Notify NVR, send email (with SSL server support), upload to FTP, trigger alarm output |
| Micro SD Card Slot | Up to 32Gb, SDHC support |
| General | |
| Angle Adjustment | Pan: 0~360° Tilt: 0~75° Rotate: 0~360° |
| Power | PoE class 3 (IEEE 802.3af) 4.2W 12VDC +/- 10% 350mA |
| Interface | 8P/8C RJ-45F with weather seal for Network and PoE Power (DC 12V) Input (3.5mm coaxial plug) Service Video Output (CVBS) |
| Environmental | IP68 (Water Proof) |
| Operating Temperature | -14 °F ~ 122 °F (-10 °C ~ 50 °C) |
| Dimension | 4.21" diameter/3.82" high (107mm dia./97.1mm high) Bubble 3.15" diameter (80mm) |
| Weight | 1.71 lbs./780 grams |
| Approvals | |
| Conformity | FCC, CE |
| Accessories | |
| Mounting Options | Optional KA-RCMP1 for mounting to standard electrical boxes Optional KA-RCWM1 wall mounting arm |

Dimensions: Inches (mm)

