

KNC-p4DR*IR

4 Megapixel IR Network Camera

Rugged Dome with IR, IP66, PoE & DC12V



| | | |
|--------------------|---------------------------|--------------------------|
| Plug & Play | 4 Megapixel | Smart EXIR 100' Range |
| True Day/Night | IP66 Weather Resistant | Rugged Housing |
| PoE & DC12V | Dual Stream Record | Region of Interest |
| H.264 / H.264+ | 3D DNR | True WDR |
| Operates to -22° F | ONVIF | |

Features

- Omni IP 'hands free' Plug-and-Play system: just connect to PoE switch and stream video
- View and record 4MP resolution at up to 20FPS from 1/3" progressive scan CMOS sensor
- Real time 30FPS streaming at 1920x1080 (1080p)/1280x720 (720p)
- Low light sensitivity of .01lux with
 - True Day/Night (ICR) for best daytime color reproduction and low/no light sensitivity
 - Low/no light coverage enhanced by 30 IR LEDs with 100' foot range
 - Smart IR Control of image contrast despite bright, close in objects in scene
- H.264+ substantially reduces main stream bandwidth and HDD file size when used with compatible KT&C NVRs
- True 120db WDR to handle the most challenging of bright or unbalanced lighting conditions
- Extensive OSD capabilities, many controlled directly from Omni IP NVR
 - Dual streaming in H.264/MJPEG with fixed/variable bandwidth control from 32Kb/s to 12.3Mb/s
 - Region of Interest allocates bandwidth to maximize resolution in priority areas within scene
 - Day/night and IR switching control by photo sensor or schedule (or disable IRs if desired)
 - In-camera detection of motion, video loss or tampering with alarm reporting to NVR
 - 3D DNR improves low light image clarity and reduces bandwidth/NVR disk utilization
 - DWDR compensates bright or unbalanced scene lighting
 - BLC specifically for handling scenes with back lit subjects
- Lens focal length of 4mm covers 70° field of view; optional 2.8mm lens for wider view or 6mm for greater magnification*
- Dual PoE/12VDC power
 - PoE for efficiency and convenience
 - 12VDC for legacy system upgrade or beyond PoE cable distance range
- Operate almost anywhere: IP66 weather resistance and -22°F~140°F temperature range
- Low profile housing is adjustable +/- 30° pan, 360° rotation, and 75° tilt for flexible wall or ceiling mounting; fits single gang electrical box
- Support for Safari/Chrome/FireFox/IE web browsers with free plug-in
- Customize installation with KA-LRTC1 Threaded Cap for Pendant Mount; KA-LRWM1 Wall Mount (special order); KA-BRPM1 Pole Mount; KA-BRCM1 Corner Mount for use with KA-LRWM1

Ordering Information

KNC-p4DR3IR: 2.8mm

KNC-p4DR4IR: 4mm

www.ktncusa.com

OMNI-IP
Scalable IP Solutions

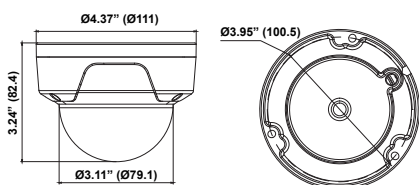
www.avsupply.com | email: sales@avsupply.com | Ph: 858.565.1101



KNC-p4DR*IR Specifications

| Camera | |
|--|--|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Total Pixels (H x V) | 2688x1520 4 Megapixel @ Maximum Resolution |
| Day & Night | True Day & Night with ICR; Controllable by light sensor or via schedule |
| Min. Illumination | .01lux @ F1.2, AGC on 0 Lux (IR LED On; IR may be disabled in OSD) |
| IR LED | 30 IR LED 850nm |
| IR Distance | 100 ft. (30m) Nominal IR performance depends on scene reflectivity |
| Smart IR | OSD Controlled Off/On |
| Shutter Speed | 1/3s ~ 1/10,000s |
| WDR | 120dB Range; Off/On, Level Adjust |
| BLC | BLC: Off/Top, Bottom, Left, Right, Center Weighted, or Custom Area |
| White Balance | AWB; Locked; Incandescent, Warm, Natural or Fluorescent Light |
| 3D DNR | Off/On, Level Adjust |
| Lens | |
| Focal Length (standard) | 4mm F=2.0 |
| Lens Options | 2.8mm optional (KNC-p4DR3IR) |
| Lens Type | Fixed focal length |
| Video | |
| Supported Resolutions | Main Stream: 2688x1520; 1920x1080; 1280x720 Sub Stream: 352x240; 640x360 |
| Maximum Frame Rates | 20FPS@2688x1520 ; 30FPS@1920x1080 ; 30FPS@1280x720 30FPS for sub stream |
| Compression | H.264+ Main Profile, H.264 Main Profile, MJPEG |
| Bit Rate | Nominal rates from drop down: 256, 512, 1024, 2048, 3072, 4096, 6144, 8192, 12288, 16384 Kbps Customized rates: 32Kbps~16384Kbps |
| Streaming | Dual-Stream at different frame rates and bandwidth |
| Region of Interest | Image detail priority/enhancement for up to four user defined areas for main and/or sub stream |
| Image Settings | Brightness, Contrast, Saturation, Sharpness, Hue, AGC Gain, Image rotation/mirror, 50/60Hz system, Text overlay (Name, Time/Date, Fixed Labels; adjustable for position, size, color, etc.), Privacy masking |
| Network | |
| LAN | Ethernet 10/100 Base-T (RJ-45 Type) with weather sealed shell |
| Security | Multiple user access levels with password protection; Watermarking of captured video |
| | IP address filter; IEEE802.1X (Authentication) |
| Protocol | IPv4, IPv6, HTTP, HTTPS, TCP/IP, ICMP, DHCP, DNS, DDNS, RTP, RSTP, RTCP, uPnP, UDP, IGMP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1X, QoS, Bonjour |
| Network Storage | Video upload to PC, FTP or NAS |
| VMS Compatibility | ONVIF (Profiles S & G), PSIA, CGI, ISAPI |
| Supported Browsers | Internet Explorer, Chrome, FireFox, Safari (with O/S compatible plug-in) |
| Intelligent Video | |
| Line Crossing Detection | Up to 4 independent boundaries, each with separate sensitivity control. Arming schedule by day of week and time of day. |
| Area Intrusion Detection with Loitering Time | Up to 4 independent 4-sided areas, each with separate sensitivity, percentage and loitering time control. Arming schedule by day of week and time of day. |
| Video Motion Detection | With arming schedule and multiple actions: notify NVR, send email, upload to FTP, trigger alarm output |
| Alarms | |
| Alarm Triggers | Intelligent video Motion Detection, Video Loss, Tampering, Network Disconnect, IP Address Conflict, Storage Exception |
| Alarm Events | Notify NVR, send email, upload to FTP, trigger alarm output |
| Edge Recording | |
| SD Card Slot | Micro SD / SDHC / SDXC up to 128Gb |
| NAS | Supports NFS, SMB/CFIS and ANR |
| General | |
| Reset Button | Yes |
| Angle Adjustment | 3-Axis Pan: 0~355° Rotation: 0~355° Tilt: 0~75° |
| Power | PoE class 3 (IEEE 802.3af) 12VDC +/- 10% 5W Maximum |
| Interface | 8P/8C RJ-45F for Network and PoE Power (DC 12V) Input |
| Environmental | IP66 (Weather Resistant) |
| Operating Temperature | -22 °F ~ 140 °F (-30 °C ~ 60 °C) |
| Impact Protection | IK-10 Vandal Resistant |
| Dimensions | 4.4" diameter x 3.2" high (Ø111x82) |
| Weight | 1.1 lbs./500g |
| Mounting Options | KA-DRJB1 back box; KA-DRWM1 Wall Mount; KA-BRPM1 Pole Mount & KA-BRCM1 Corner Mount for use with KA-DRWM1 |

Dimensions: Inches (mm)



Accessories


KA-BRCM1
Corner Mount

KA-BRPM1
Pole Mount

KA-DRWM1
Wall Mount
For Small Dome

KA-DRJB1
Junction Box
For Small Dome