



INNOVATIVE
HIGH DEFINITION SURVEILLANCE



OMNI-IP

Scalable IP Solutions

 **KNC-p3DR*IRE**

3MP IR Network Camera

Wi-Fi, Mini IR Rugged 3-Axis Dome, IP66, SD Card Slot, Alarm I/O, Two Way Audio, POE + DC12V

Ordering Info: KNC-p3DR3IRE: 2.8mm | KNC-p3DR4IRE: 4mm | KNC-p3DR6IRE: 6mm | KNC-p3DR12IRE: 12mm



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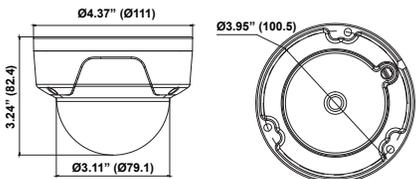
Features

- Built in Wi-Fi (b, g, n) for secure wireless connectivity; or use wired PoE connection
- Omni IP 'hand free' Plug-and-Play system: just connect to PoE switch and stream video
- View and record 3MP resolution at up to 20FPS from 1/3" progressive scan CMOS sensor
 - 3MP images contain NINE times the pixel detail versus traditional analog images
 - At 3X digital zoom, a 3MP images display more detail than a basic analog camera
- Real time 30FPS streaming at 1920x1080 (1080p)/1280x720 (720p)
- Low light sensitivity of .07lux 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
- Edge recording to Micro SD card (up to 64GB)
- 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 6 & 12mm for greater magnification*
- Dual 12VDC/PoE power PoE for efficiency and convenience
 - 12VDC for Wi-Fi Operation
 - PoE for efficient and convenient wired connection
- Two way audio terminals (microphone or line level OSD selectable)
- Alarm in / Control out (SPST) terminals
- Operate almost anywhere: IP66 weather resistance and -22°F~140°F temperature range
- Compact 3-axis dome housing with 355° pan/rotate and 75° tilt for flexible wall or ceiling mounting
- Support for Safari/Chrome/FireFox/IE web browsers with free plug-in
- Customize installation with KA-DRJB1 back box; KA-DRWM1 Wall Mount; KA-BRPM1 Pole Mount & KA-BRCM1 Corner Mount for use with KA-DRWM1

Camera	Image Sensor	1/3" Progressive Scan CMOS
	Total Pixels (H x V)	2048x1536 3 Megapixel @ Maximum Resolution
	Day & Night	True Day & Night with ICR; Controllable by light sensor or via schedule
	Min. Illumination	.07lux @ 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**
	Smart IR	OSD Controlled Off/On
Lens	Shutter Speed	1/30s ~ 1/100,000s
	DWDR/BLC	DWDR: Off/On, Level Adjust BLC: Off/Top, Bottom, Left, Right, Center Weighted
	White Balance	AWB; Locked; Incandescent, Warm, Natural or Fluorescent Light
	3D DNR	Off/On, Level Adjust
Video	Focal Length (standard)	4mm F=2.0
	Lens Options	2.8mm, 6mm, 12mm
	Lens Angle	2048 x 1536: Angle of view: 86°(2.8mm), 70°(4mm), 43.3°(6mm), 20.6°(12mm) 1920 x 1080: Angle of view: 98.5°(2.8mm), 79°(4mm), 49°(6mm), 23.2°(12mm)
	Lens Type	Fixed focal length
	Supported Resolutions	Main Stream: 2048x1536 1920x1080 1280x720 Sub Stream: 320x240 352x240 640x480 704x480
	Maximum Frame Rates	20FPS@2048x1536 ; 30FPS@1920x1080 ; 30FPS@1280x720
	Compression	H.264 Main Profile & MJPEG
Two-Way Audio	Bit Rate	Nominal rates from drop down: 1024, 2048, 3072, 4096, 6144, 8192 Kbps Customized rates: 32Kbps~12288Kbps
	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	Input	Screw terminals (microphone or line level OSD selectable)
	Output	Screw terminals (line level)
	LAN	Ethernet 10/100 Base-T (RJ-45 Type) with weather sealed shell
	Wi-Fi	Built in Wi-Fi (b, g, n) for secure wireless connectivity; unencrypted, WEP, WPA-personal, WPA-enterprise, WPA2-personal, WPA2-enterprise; open or PSK 64/128 bit key support; TKIP, EAP-TLS, EAP-PEAP; WPS pin or push button
	Security	Multiple user access levels with password protection; Watermarking of captured video IP address filter; IEEE802.1X (Authentication)
	Protocol	IPv4, IPv6, HTTP, TCP/IP, ICMP, DHCP, DNS, DDNS, RTP, RSTP, RTCP, uPnP, IGMP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1X, QoS, Bonjour
	Network Storage	Video upload to PC, FTP or NAS
Intelligent Video	VMS Compatibility	ONVIF, PSIA, CGI, ISAPI
	Supported Browsers	Internet Explorer, Chrome, FireFox, Safari (with O/S compatible plug-in)
Alarm and Event	Video Motion Detection	With arming schedule and multiple actions: notify NVR, send email, upload to FTP, trigger alarm output
	Alarm Input	Screw terminals - SPST (transistor switch)
	Alarm Output	Screw terminals - SPST (transistor switch)
	Alarm Triggers	Intelligent video Motion Detection, Video Loss, Tampering
Edge Recording	Alarm Events	Notify NVR, send email, upload to FTP, trigger alarm output
	SD Card Slot	Micro SD / SDHC / SDXC up to 64Gb
General	Angle Adjustment	3-Axis Pan: 0~355° Rotation: 0~355° Tilt: 0~75°
	Power	PoE class 3 (IEEE 802.3af), 12VDC +/- 10%, 5W nominal; 7W IR LED on
	Interface	8P/8C RJ-45F for Network and PoE Power (DC 12V) Input
	Environmental	IP66 (Weather Resistant); IK10 Vandal Resistant
	Operating Temperature	-22 °F ~ 140 °F (-30 °C ~ 60 °C)
	Dimension	4.4" diameter x 3.2" high (Ø111x82)
Accessories	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 (Unit: mm)

Accessories



www.ktncusa.com

* See detailed specs for field of view at different combinations of focal length and resolution ** IR performance depends on scene reflectivity
 KT&C America, Inc. reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.

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