KT&C
INNOVATIVE
HIGH DEFINITION SURVEILLANCE

PLUG & PLAY IP
VIDEO, POWER, ALARMS
CAMERA CONTROL

OMNI-IP
Scalable IP Solutions

KNC-p3BR28V12IR

3MP IR Network Camera
Rugged Bullet Style with IR
IP66, POE + DC12V, Varifocal

KNC-p3BR28V12IR: 2.8-12mm

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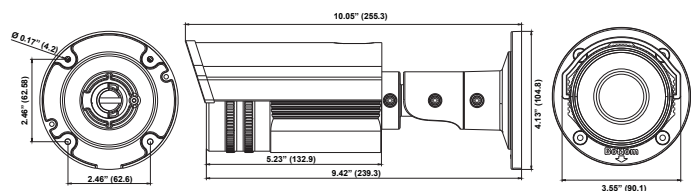| Plug & Play | 3 Mega pixel | Smart IR | True Day Night | IP66 | Rugged Housing | PoE+ DC12 |
| Dual Stream | Region of Interest | H.264 | 3D DNR | D-WDR | -22°F | ONVIF |

Features

- 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 42 IR LEDs with 100 foot range
  - Smart IR Control of image contrast despite bright, close in objects in scene
- 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
- Varifocal 2.8~12mm AI lens covers 105°~32° field of view*
- 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
- Bullet housing with sunshield is adjustable for 360°pan and rotation, and 90° tilt for flexible positoning
- Support for Safari/Chrome/FireFox/IE web browsers with free plug-in
- Customize installation by mounting to 4" electrical box or KA-BRJB1 Junction Box; or use KA-BRPM1 Pole Moun, KA-BRCM1 Corner Mount with or without Junction box.

Technical Specifications

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	42 IR LED 850nm
IR Distance	100 ft. (30m) Nominal IR performance depends on scene reflectivity
Smart IR	OSD Controlled Off/On
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
Focal Length (standard)	2.8mm~12mm F=1.4
Lens Angle	2048 × 1536: Angle of view: 105.2°~31.9° 1920 × 1080: Angle of view: 118.7°~36°
Lens Type	Manual Varifocal
Main Stream	2048x1536 1920x1080 1280x720
Supported Resolutions Sub Stream	320x240 352x240 640x480 704x480
Maximum Frame Rates	20FPS@2048x1536 ; 30FPS@1920x1080 ; 30FPS@1280x720
Compression	H.264 Main Profile & MJPEG
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
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, 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
VMS Compatibility	ONVIF, PSIA, CGI, ISAPI
Supported Browsers	Internet Explorer, Chrome, FireFox, Safari (with O/S compatible plug-in)
Video Motion Detection	With arming schedule and multiple actions: notify NVR, send email, upload to FTP, trigger alarm output
Alarm Triggers	Intelligent video Motion Detection, Video Loss, Tampering
Alarm Events	Notify NVR, send email, upload to FTP, trigger alarm output
SD Card Slot	Micro SD / SDHC / SDXC up to 64Gb
Angle Adjustment	Pan: 0~360° Tilt: 0~90° Rotate: 0~360°
Power	PoE class 3 (IEEE 802.3af) 12VDC +/- 10% 5.5W nominal; 7.5W IR LED on
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)
Dimension	4.13" × 10.05" [104.8×255.3mm]
Other	Fits 4" electrical box
Weight	2.65 lbs./1200g
Mounting Options	KA-BRJB1 Junction Box; KA-BRPM1 Pole Mount, KA-BRCM1 Corner Mount with or without Junction Box

Dimensions (Unit: mm)

Ø 0.17" (4.2)
2.46" (62.6)
2.46" (62.6)
10.05" (255.3)
5.23" (132.9)
9.42" (239.3)
4.13" (104.8)
3.55" (90.1)

Accessories

KA-BRCM1 Corner Mount

KA-BRJB1 Bullet Camera Power Intake Box

KA-BRPM1 Pole Mount

FC | CE

Ordering Info: KNC-p3BR28V12IR: 2.8-12mm