Recognitive Tracking System



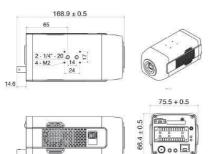


Features

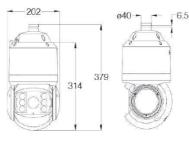
- 1 box-type camera for panoramic view mode and to locate targets
 Up to 3 PTZ cameras to track and zoom-in on individual targets
 Camera built-in tracking algorithm
 PTZ track for large open space
 High accuracy multi target tracking
 High security virtual fencing zone
 Up to 60 moving targets
 Up to 10000 M² coverage
 High-speed target switching
 Target capturing and characters recognizing
 SDK support

Dimensions

IPC121-BI5N



IPC425-i020-N



Unit: mm

IPC421-i020-N1



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Specifications

Note: IPC121PBJN Image Sensor 1/1.9" Progressive Scan CMOS Pixels 2.0 Megapixel Min. Illumination Color: 0.002/Lux @ (F1.2, AGC ON) Shutter Speed 17.5 ~ /16.0005 Day / Night Auto / (Annual Gain Control Auto / Manual Gain Control Auto / Manual Gacklight Off / BLC / HLC Compression H.264 Mount Type C / CS Focal Length 3.6 ~ 10mm @ F1.5 manual varifocal lens Video Main stream: 1080p Gameram: D1 @25fps Secondary stream: D1 Frame Rate Secondary stream: D1 @25fps Bitrate 32kbps ~ 16Mbps Bitrate 32kbps ~ 16Mbps Bitrate Supported Ougat Zone Evel up to 3 levels, up to 8 zones per level Regional Shield up to 8 shield areas Guard Zone up to 10 slevels, up to 8 zones per level Regional Shield up to 10 zone carget Target Number Up to 3 levels, up to 8 zones per level Regional Shield up to	Model	IPC121-Bi5N
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Environmental Operating Temperature -40°C ~ 70°C / -40°F ~ 158°F Operating Humidity 10% ~ 95% Electrical 12V DC ± 10% /2A Power (Power adapter included) Power Consumption Max. 20W Mechanical Veight Veight 0.65kg / 1.4lb (Gross Weight) Dimensions 168.9 x 75.5 x 66.4mm /		
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Weight 0.65kg / 1.4lb (Gross Weight) Dimensions 168.9 x 75.5 x 66.4mm /		Max. 20W
Dimensions 168.9 x 75.5 x 66.4mm /		
	Weight	
[6.65" x 2.98" x 2.62"	Dimensions	
		6.65" X 2.98" X 2.62"

Model Camera	IPC421-i020 -N1
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.01lux @ (F1.4, AGC ON)
	B/W: 0.001lux @ (F1.4, AGC ON)
Shutter Speed	1 ~ 1/4,000s
Day / Night	Auto (ICR) / Color / B/W
S/N Ratio	>53dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR
Lens	
Focal Length	4.7 ~ 94mm, 20x
Zoom Speed	Approx. 3s (Optical)
Angle of View	54.1°~ 2.9° (Wide~Tele)
Minimum Object Distance	300 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6 (Wide) / F3.5 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
	Auto / Manual / Semi-Automatic
Pan and Tilt	
Pan / Tilt Range	360° Endless / 0° ~ 90°
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 250°/s;
	Pan preset speed: 450°/s
	Tilt manual speed: 0.1° ~ 150°/s; Tilt
	preset speed: 350°/s
Proportional Zoom	Pan / Tilt speed can be adjusted
	automatically according to zoom
	multiples
Preset	256
Power-off Memory	Power-off memory / Power-on
	recovery
Auto Guard	Supported
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and
	drag
Video	
Compression	H.264
Image Resolution	Main stream: 1080p
inage needlaten	Secondary stream: D1
Frame Rate	Main stream: 1080p@25fps
	Secondary stream: D1@25fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Dual-streams	Supported
Caption	Date and time / Alarm / Direction /
Caption	Customized
Motion Detection	Supported
Video Freeze Digital Noise Reduction	Supported 3D noise reduction
	Flip / Mirror
Image Flip	
Recognitive Functio	
Target Capturing Mode	Automatic
Captured Picture No.	1~5
Target Characters	Type / Time of appear / Time of left /
	Direction / Color / Speed level / Size
	level
Network	1
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/
	DDNS, RTP/RTCP, RTSP, PPPoE,
Network Protocols	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS,
Network Protocols	DDNS, RTP/RTCP, RTSP, PPPoE,
Network Protocols	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS,
Network Protocols Supported	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users
Network Protocols Supported User Interface	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
Network Protocols Supported User Interface	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users
Network Protocols Supported User Interface Max. User Access	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal)
Network Protocols Supported User Interface Max. User Access	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (ptitional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011,
Network Protocols Supported User Interface Max. User Access Application Programming	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPNP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR)	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPNP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPNP, 802.1x, NAT, QoS, SMTP, IPV4, IPV6 (potional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPNP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events	DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPNP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Events Interfaces Ethernet	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface
Network Protocols Supported Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (putional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm I / Out	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x RS485 4 x Input / 2 x Output
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm I / Out	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x RS485 4 x Input / 2 x Output
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB
Network Protocols Supported Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm I / Out Video Out Memory Slot Environmental Operating Temperature	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RV485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB
Network Protocols Supported Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95%
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Hemidity	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IP-4, IP-6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection,
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Hemidity	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection, surge protection and voltage transient
Network Protocols Supported Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Humidity Protection Level	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IP-4, IP-6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection,
Network Protocols Supported Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Temperature Operating Humidity Protection Level Electrical	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection, surge protection and voltage transient protection
Network Protocols Supported Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Humidity Protection Level Electrical Power	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection, surge protection and voltage transient protection 24V AC / 3A (Power adapter included)
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Tiggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Temperature	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPV4, IPV6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection, surge protection and voltage transient protection
Network Protocols Supported Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Temperature Operating Humidity Protection Level Electrical Power Power Consumption Mechanical	DDNS, RTP/RTCP, RTSP, PPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNQ, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection, surge protection and voltage transient protection 24V AC / 3A (Power adapter included) Max. 45W (Heater on & IR on)
Network Protocols Supported User Interface Max. User Access Application Programming Automatic Network Replenishment (ANR) Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Video Out Memory Slot Environmental Operating Temperature Operating Temperature	DDNS, RTP/RTCP, RTSP, PPPOE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) IPC Control (IE, Firefox, Chrome) Max. 10 users (includes 2 internal) ONVIF (Profile S), GB/T 28181-2011, API, CGI Supported Network disconnect / Motion detection Alarm report / Text overlay / External output / Email notice 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω SD card slot, supports up to 128GB -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IP67, TVS 6000V lightning protection, surge protection and voltage transient protection 24V AC / 3A (Power adapter included)

Madal	100/05 1000	IR BULLET CAMERA
Model Camera	IPC425-i020 -N	R BUI
Image Sensor	1/2.8" Progressive Scan CMOS	<u> </u>
Pixels	2.0 Megapixel Color: 0.005lux @ (F1.4, AGC ON)	A
Min. Illumination Shutter Speed	B/W: 0.0005lux @ (F1.4, AGC ON)	BOX CAMERA
Day / Night	1 ~ 1/4,000s Auto (ICR) / Color / B/W	X C A
S/N Ratio White Balance	>52dB Auto / Manual	BC
Gain Control	Auto / Manual	
Backlight Compensation	Off / BLC / WDR	RA
Focal Length	4.4 ~ 132mm, 30x	SEMII DOME CAMERA
Zoom Speed Angle of View	Approx. 3s (Optical) 63.4°~ 2.3° (Wide~Tele)	ME O
Minimum Object Distance	300 ~ 1500mm (Wide~Tele)	DO
Max. Aperture Ratio Focus Control	F1.4 (Wide) / F4.6 (Tele) Auto / Manual / Semi-Automatic	SEN
Infrared		
IR LED IR Distance	12 pcs IR LED Array 120 ~ 180m	RA
IR Intensity	Automatically adjust according to zoom	AME
Pan and Tilt	ratio	SPEED DOME CAMERA
Pan / Tilt Range	360° Endless / -15° ~ 90°	D DC
	Pan manual speed: 0.1° ~ 200°/s; Pan preset speed: 220°/s	SPEE
Pan / Tilt Speed	Tilt manual speed: 0.1° ~ 150°/s; Tilt pre- set speed: 200°/s	
Proportional Zoom	Pan / Tilt speed can be adjusted auto- matically according to zoom multiples	R SPEED DOME CAMERA
Preset	256	IE C/
Power-off Memory Auto Guard	Power-off memory / Power-on recovery Supported	DON
PT Limit	Manual / Scan / Pan PTZ control with mouse click and drag	DEED
3D Positioning Wiper	Supported	IR SF
Video	11.004	
Compression	H.264 Main stream: 1080p	
Image Resolution	Secondary stream: D1 Main stream: 1080p@25fps	ERA
Frame Rate	Secondary stream: D1@25fps	PTZ CAMER
Bitrate Control	32kbps ~ 16Mbps VBR / CBR	ZTq
Multi-stream	Supported	
Caption	Date and time / Alarm / Direction / Customized	
Motion Detection	Supported	Σ
Video Freeze ROI	Supported Supported	YSTE
Digital Noise Reduction Image Flip	3D noise reduction Flip / Mirror	S DNI
Recognitive Functio		TRACKING SYSTEM
Target Capturing Mode Captured Picture No.	Automatic 1 ~ 5	F
Target Characters	Type / Time of appear / Time of left / Di-	E.
Network	rection / Color / Speed level / Size level	ORDE
	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS,	REC
Network Protocols Supported	RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4,	DEO
	IPv6 (optional)	IN XE
User Interface Max. User Access	IPC Control (IE, Firefox, Chrome) Max. 10 users (include 2 internal)	NETWORK VIDEO RECORDEI
Application Programming	ONVIF (Profile S), GB/T 28181-2011,	Ë
Automatic Network	API, CGI	Σ
Replenishment (ANR)	Supported	VIDEO MANAGEMENT SYSTEM
Alarm Triggers	Network disconnect / Motion detection	NTS
Alarm Events	Alarm report / Text overlay /	BME
Interfaces	External output / Email notice	ANAC
Ethernet	10/100M, RJ45 interface	EO MJ
Audio In / Out Control	1 x Line in / 1 x Line out 1 x RS485	VIDE
Alarm In / Out Video Out	4 x Input / 2 x Output 1 x BNC, 1.0V [p-p] / 75Ω	
Memory Slot	SD card slot, support up to 128GB	IP SAN
Environmental	-40°C ~ 70°C / -40°F ~ 158°F	₫
Operating Temperature Operating Humidity	10% ~ 95%	
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient	ENCODER & DECODER
Electrical	protection	& DE
Power	24V AC / 4A (Power adapter included)	DER
Power Consumption Mechanical	Max. 60W (Heater on & IR on)	INCO
Weight	8kg / 17.6lb (Gross Weight)	
Dimensions	Φ214 × 379mm / Φ8.43" x 14.92"	SNC
		MOBILE SOLUTIONS

68