

Specifications

	IPC121-Bi5N
Camera	
Image Sensor	1/1.9" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.002Lux @ (F1.2, AGC ON) B/W: 0.0002Lux @ (F1.2, AGC ON)
Shutter Speed	1/7.5 ~ 1/16,000s
Day / Night	Auto (ICR) / Color / B/W
S/N Ratio	>60dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / HLC
Lens	
Mount Type	C / CS
Focal Length	3.6 ~ 10mm @ F1.5 manual varifocal lens
Video	
Compression Format	H.264
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@25fps Secondary stream: D1@25fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date&Time / Alarm / Customized
Video Freeze	Support
ROI	Support
Digital Noise Reduction	3D noise reduction
Guard Zone	
Guard Zone Level	up to 3 level, up 8 zones per level
Regional Shield	up to 8 shield areas
Guard Scheme	Disable / Always / Scheduled
Alarm Caption	customized alarm caption supported
Intelligent Tracking	
Distance	up to 120m (Lock target)
Target Number	up to 60 simultaneously
Tracking Mode	Automatic / Semi-automatic
PTZ Camera Model	IPC425-i020-N supported
PTZ Camera Number	up to 3 PTZ cameras supported
Tracking Target Number	up to 3 simultaneously depending on the number of PTZ cameras
Target Tracked Time	Min. 5s / customized
Network	
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	10 Users (include 2 internal access)
Application Program	Onvif (Profile S), GB/T 28181-2011, API, CGI
ANR	Support
Interfaces	
Ethernet	10/100M, RJ45 interface
Audio In / Out	1 x Line in / 1 x Line out
Control	3 x RS485, 1 x RS232
Alarm In / Out	2 x Input / 1 x Output
Video Out	1 x BNC, 1.0V [p-p] / 75Ω
Memory Slot	SD card slot, supports up to 128GB
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Electrical	
Power	12V DC ± 10% / 2A
Power Consumption	Max. 20W
Mechanical	
Weight	0.65kg / 1.4lb (Gross Weight)
Dimensions	168.9 x 75.5 x 66.4mm / 6.65" x 2.98" x 2.62"
Accessories	
Standard	1 x Lens (RICOM HV03610D.IR-S), 1 x Housing (CH-111), 1 x box camera bracket (CM-W15), 1 x Power adapter (36W DC) n x PTZ camera bracket (DM-W43, n is the number of tracking PTZ cameras)
Optional	Tracking bracket (DM-W55, special designed for tracking system, replacement of one CM-W15 and one DM-W43) Distribution box (ITSBOX100)

	IPC425-i020-N
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.005Lux @ (F1.4, AGC ON) B/W: 0.0005Lux @ (F1.4, AGC ON)
Shutter Speed	1 ~ 1/4,000S
Day / Night	Auto (ICR) / Color / B/W
S/N Ratio	>52dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR
Lens	
Focal Length	4.4 ~ 132mm, 30x
Zoom Speed	Approx 3s (Optical)
Angle of View	63.4° ~ 2.3° (Wide~Tele)
Min. Object Distance	300 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.4 (Wide) / F4.6 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	12pcs IR LED Array
IR Distance	120 ~ 180m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -15° ~ 90°
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 200°/s; Pan preset speed: 220°/s Tilt manual speed: 0.1° ~ 150°/s; Tilt preset speed: 200°/s Pan / Tilt speed can be adjusted automatically according to zoom multiples
Proportional Zoom	
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
Wiper	Supported
Video	
Compression Format	H.264
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@25fps Secondary stream: D1@25fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date&Time / Alarm / Direction / Customized
Motion Detection	Supported
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Image Flip	Flip / Mirror
Intelligent Tracking	
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	
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	10 Users (include 2 internal access)
Application Program	Onvif (Profile S), GB/T 28181-2011, API, CGI
ANR	Support
Alarm	
Alarm Triggers	Network disconnect / Motion detection
Alarm Events	Alarm report / Text overlay / External output / Email notice
Interfaces	
Ethernet	10/100M, RJ45 interface
Audio In / Out	1 x Line in / 1 x Line out
Control	1 x RS485
Alarm In / Out	4 x Input / 2 x Output
Video Out	1 x BNC, 1.0V [p-p] / 75Ω
Memory Slot	SD card slot, supports up to 128GB
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	24V AC / 4A (Power adapter included)
Power Consumption	Max. 60W (Heater on & IR on)
Mechanical	
Weight	8Kg / 17.6lb (Gross Weight)
Dimensions	Φ214x 379mm / Φ8.43" x 14.92"