IPC123-AN

2.0MP HD Network Box Camera













Features

- Excellent Image Quality
 2.0 Megapixel 1/2.8" Progressive Scan CMOS Sensor
 High definition and smooth picture, 1080p@30fps
- H.264 high profile video codec, save up to 30% bandwidth and storage
- Low illumination, 0.03Lux with color picture WDR support / 3D noise reduction

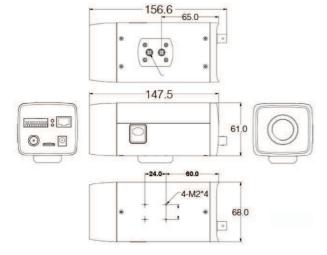
Variety of Installation Application - Support Image rotation 90°,180°,270°

Abundant Functions and Features

- TF card slot, support Automatic Network Replenishment (ANR)
- Dual stream (1080p+D1)
- Bi-directional audio / alarm in&out / video out / RS485 PoE

Dimensions

Units: mm



Specifications

Model	IPC123-AN
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.03Lux @ (F1.2, AGC ON)
	B/W: 0.003Lux @ (F1.2, AGC ON)
Shutter Speed	1/10 ~ 1/10,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	>52dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR
Lens (not included)	
Mount Type	C/CS
Auto Iris	DC drive
Video	
Compression Format	H.264 / MJPEG
Image Resolution	Main stream: 1080p
Frame Rate	Secondary stream: D1
	Main stream: 1080p@30fps
	Secondary stream: D1@30fps
Bitrate	64kbps ~ 8Mbps
Bitrate Control	VBR / CBR
Dual stream Caption	Support
	Date&Time / Alarm / Customized groups (Support
Drive av Maaldaa	up to 64 characters) Up to 4 zones
Privacy Masking Motion Detection	
Motion Detection	Up to 4 zones
	Comment
Video Freeze	Support
Video Freeze Digital Noise Reduction	3D noise reduction
Video Freeze Digital Noise Reduction Image Flip	
Video Freeze Digital Noise Reduction Image Flip Audio	3D noise reduction Flip / Mirror / Rotation 90°,180°,270°
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps
Video Freeze Digital Noise Reduction Image Flip Audio	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Protocol	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network User Interface	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access)
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Alarm Triggers Alarm Events	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Tiggers Alarm Events Interfaces	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Video Out	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Temperature	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Humidity Electrical	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Friggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Humidity Electrical Power	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB -30°C ~ 60°C / -22°F ~ 140°F 10% ~ 95%
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Friggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Humidity Electrical Power Power Power	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Triggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Humidity Electrical Power Power Consumption Mechanical	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x BS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB -30°C ~ 60°C / -22°F ~ 140°F 10% ~ 95% 12V DC ± 10% / PoE (IEEE802.3af) Max. 6W
Video Freeze Digital Noise Reduction Image Flip Audio Compression Format Bitrate Audio Function Network Network Network Protocol User Interface Max. User Access Application Program Alarm Alarm Friggers Alarm Events Interfaces Ethernet Audio In / Out Control Alarm In / Out Video Out Memory Slot Environmental Operating Temperature Operating Humidity Electrical Power Power Power	3D noise reduction Flip / Mirror / Rotation 90°,180°,270° G.711a / G.711u / ADPCM / G.722 / AAC-LC 32kbps ~ 64kbps Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/ RTCP, RTSP, PPPoE, FTP, VSIP IPC Control 10 Users (include 2 internal access) Onvif, GB/T 28181-2011, API Motion detection / Alarm input Alarm caption / Snapshot / External output 10/100M, RJ45 interface 1 x Line in / 1 x Line out 1 x RS485 1 x Input / 1 x Output 1 x BNC, 1.0V [p-p] / 75Ω TF card slot, support 128GB -30°C ~ 60°C / -22°F ~ 140°F 10% ~ 95%