

AI Detection Cameras & Human Behavior Cameras

Extracted from KEDACOM IP Camera Catalog - ToG Series

Included camera groups

- **AI Detection Cameras**
Target detection, classification, face capture and face comparison
- **Human Behavior / Advanced People Analytics Cameras**
People tracking, facial attributes, face recognition and body linkage

Selected models

AI Detection Cameras

- IPC2833-Fi4N-SIR50-Z6022
- IPC2833-Fi4cN
- IPC2454-Fi7N-SCX50-Z8032
- IPC2855-Fi7N
- IPC2454-Di7N
- IPC2856-Di7N

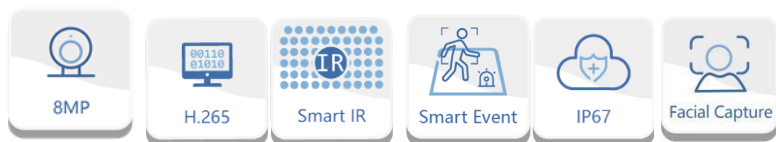
Human Behavior / Advanced People Analytics

- IPC445-i833-NP
- IPC485-i833-NP
- IPC445-Di233-N
- IPC445-Ui233-N

Selection note: the source catalog does not use the exact heading "Human Behavior Camera." The second group contains models whose datasheets explicitly describe people tracking and advanced people analytics.

Intelligent Camera

Semi Dome Camera



IPC2833-Fi4N-SIR50-Z6022

Key Features

- ◆ High quality image with 8MP, 1/2.7 " CMOS sensor
- ◆ 3840*2160@20fps in the main stream
- ◆ Support H.265, H.264 and MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ IR night view range up to 50m
- ◆ Water and dust resistant (IP67) , and vandal resistant (IK10)
- ◆ Smart event detection: Guard line detection, Intrusion detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Support face capture
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Supports editing text to alarming voice on the web interface
- ◆ DC12V or PoE (IEEE 802.3af) power supply
- ◆ Wide voltage range of $\pm 25\%$ in DC12V

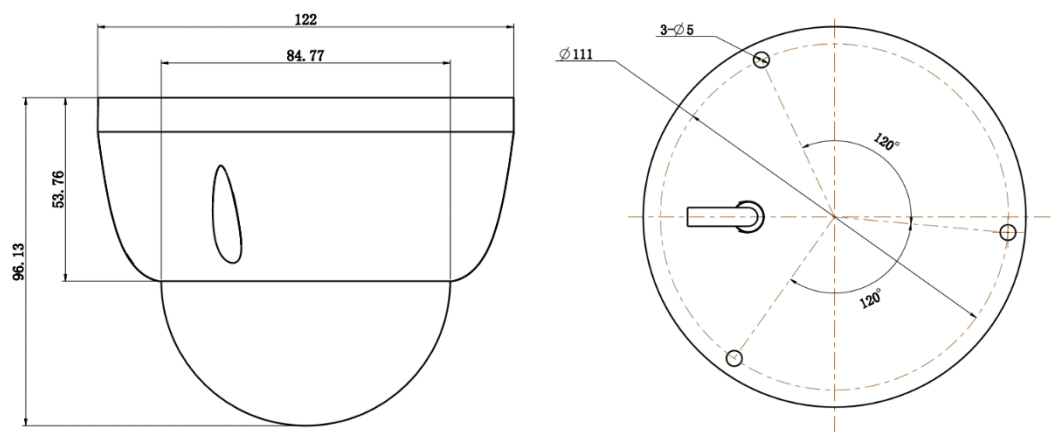
Specifications

	IPC2833-Fi4N-SIR50-Z6022
Camera	
Sensor	1/2.7" CMOS
Min. Illumination	Colour:0.001 lux (F1.6, AGC ON) B/W:0.0001 lux (F1.6, AGC ON) 0 lux with IR
Day/Night	Day, Night, Scheduled, Auto
Shutter	Auto/Manual, 1 ~ 1/30000s
WDR	120dB
S/N	>58dB
Lens	
Focal Length	6-22mm
Optical Zoom	3X
Iris	F1.6
Field of View (H)	41.4°(W)-16.6°(T)
Field of View (V)	30.6°(W)-12.5°(T)
Field of View (D)	52.8°(W)-20.8°(T)
Illuminator	
Illumination Distance (IR)	50 m
IR On/Off Control	Auto/Manual
Wavelength	850 nm
Video	
Video Stream	Dual Streams
Frame Rate	Main Stream: 8MP(3840*2120), Max 20fps Sub Stream: D1, Max 30fps
Video Compression	H.265; H.264; MJPEG
Video Bit Rate	32 Kbps ~ 32 Mbps
ROI	Support
Privacy Mask	Up to 4 areas
OSD	Up to 8 OSDs
Image	
White Balance	Auto, Manual, Fluorescent Lamp, Incandescent Lamp, Lock, Warm Light, Natural Light

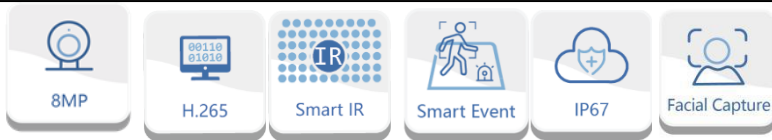
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Mirror Mode	Normal, Up and down, Left and right, Center
Intelligent	
Face Capture	Detects up to 30 faces simultaneously
Events	
Smart Event	Guard line detection, Entry guard area, Enter guard area, Exit guard area, Motion detection(support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge; Object Removal; Object Left; Scene Change; Video Blocked
Audio	
Audio Compression	G.711a, G.711u, G.722, G726, ADPCM, G722.1c, OPUS
Sampling Rate	8kHz/16kHz/32kHz/48kHz
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR, NAS(NFS), IPSAN
Network	
Protocols	TCP/IP, HTTP, FTP, RTP, RTCP, RTSP, PPPoE, SMTP, UDP, UPnP, SNMP, DHCP, DNS, DDNS, 802.1X, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VClient
Web Browser	Chrome 45 and above, Firefox 52 and above, Edge 79 and above, Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above
Interface	
Audio I/O	1/1
Alarm I/O	2/1
Serial Port	1 channel RS485 interface
Built-in Mic	1
Built-in Speaker	1
Network	1 * RJ45 10M/100M Base-TX Ethernet
Certification	
EMC	CE, FCC
Protection	IP67
General	
Power	DC12V(±25%) , PoE(IEEE 802.3af)

Power Consumption	12W
Power Interface	Ø 5.5 mm coaxial power plug
Dimensions	Φ122mm×96.13mm
Weight	Net Weight: 0.6kg; Gross Weight: 0.8kg
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV

Dimensions



UNIT: mm



IPC2833-Fi4cN

Key Features

- ◆ High quality image with 8MP, 1/2.7 " CMOS sensor
- ◆ 3840*2160@20fps in the main stream
- ◆ Support H.265, H.264 and MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ IR night view range up to 50m
- ◆ Water and dust resistant (IP67) , and vandal resistant (IK10)
- ◆ Smart event detection: Guard line detection, Intrusion detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Support face capture
- ◆ Support face comparison
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Supports editing text to alarming voice on the web interface
- ◆ DC12V or PoE (IEEE 802.3af) power supply
- ◆ Wide voltage range of $\pm 25\%$ in DC12V

DATASHEET

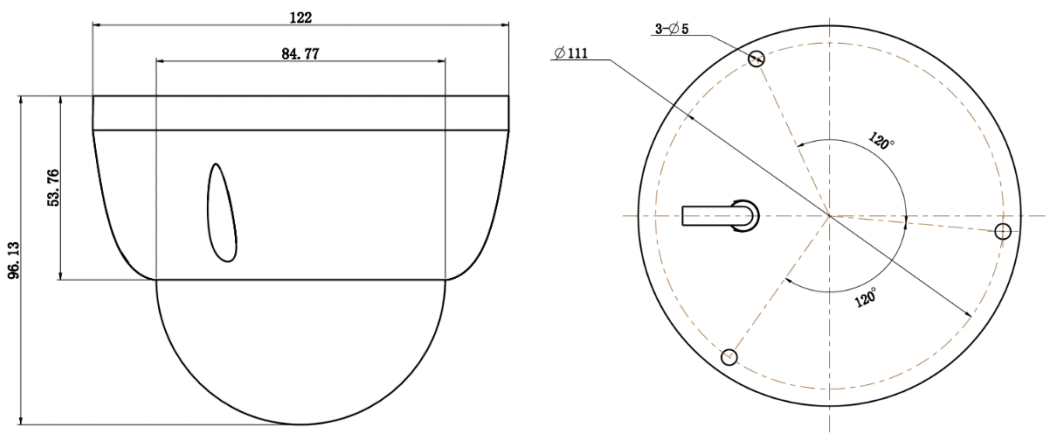
Specifications

	IPC2833-Fi4cN
Camera	
Sensor	1/2.7" CMOS
Min. Illumination	Colour:0.001 lux (F1.6, AGC ON) B/W:0.0001 lux (F1.6, AGC ON) 0 lux with IR
Day/Night	Day, Night, Scheduled, Auto
Shutter	Auto/Manual, 1 ~ 1/30000s
WDR	120dB
S/N	>58dB
Lens	
Focal Length	2.8-12mm
Optical Zoom	3X
Iris	F1.6
Field of View (H)	113°(W)~31.4°(T)
Field of View (V)	58.4°(W)~17.6°(T)
Field of View (D)	138.2°(W)~36°(T)
Illuminator	
Illumination Distance (IR)	50 m
IR On/Off Control	Auto/Manual
Wavelength	850 nm
Video	
Video Stream	Dual Streams
Frame Rate	Main Stream: 8MP(3840*2120), Max 20fps Sub Stream: D1, Max 30fps
Video Compression	H.265; H.264; MJPEG
Video Bit Rate	32 Kbps ~ 32 Mbps
ROI	Support
Privacy Mask	Up to 4 areas
OSD	Up to 8 OSDs
Image	
White Balance	Auto, Manual, Fluorescent Lamp, Incandescent Lamp, Lock, Warm Light, Natural Light

Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Mirror Mode	Normal, Up and down, Left and right, Center
Intelligent	
Face Capture	Detects up to 30 faces simultaneously
Face comparison	5000 Bottom vault
Events	
Smart Event	Guard line detection, Entry guard area, Enter guard area, Exit guard area, Motion detection(support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge; Object Removal; Object Left; Scene Change; Video Blocked
Audio	
Audio Compression	G.711a, G.711u, G.722, G726, ADPCM, G722.1c, OPUS
Sampling Rate	8kHz/16kHz/32kHz/48kHz
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR, NAS(NFS), IPSAN
Network	
Protocols	TCP/IP, HTTP, FTP, RTP, RTCP, RTSP, PPPoE, SMTP, UDP, UPnP, SNMP, DHCP, DNS, DDNS, 802.1X, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VClient
Web Browser	Chrome 45 and above, Firefox 52 and above, Edge 79 and above, Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above
Interface	
Audio I/O	1/1
Alarm I/O	2/1
Serial Port	1 channel RS485 interface
Built-in Mic	1
Built-in Speaker	1
Network	1 * RJ45 10M/100M Base-TX Ethernet
Certification	
EMC	CE, FCC
Protection	IP67
General	

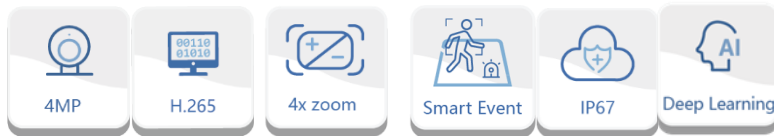
Power	DC12V($\pm 25\%$) , PoE(IEEE 802.3af)
Power Consumption	12W
Power Interface	$\varnothing$ 5.5 mm coaxial power plug
Dimensions	$\Phi 122\text{mm} \times 96.13\text{mm}$
Weight	Net Weight: 0.6kg; Gross Weight: 0.8kg
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158°F), Humidity: $\leq 95\%$ RH (non-condensing)
Surge Protection	6KV

Dimensions



UNIT: mm

Bullet Camera



IPC2454-Fi7N-SCX50-Z8032

Key Features

- ◆ High quality image with 4MP, 1/1.8"CMOS sensor
- ◆ 2688×1520@30fps in the main stream
- ◆ Support H.265, H.264, MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
- ◆ Expansive night view with up to 30m distance
- ◆ Water and dust resistant (IP67)
- ◆ Smart Event support: Guard line detection, Entry area detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Support customized voice prompt by editing text on the web interface
- ◆ DC12V power supply
- ◆ Wide voltage range of $\pm 25\%$ in DC12V

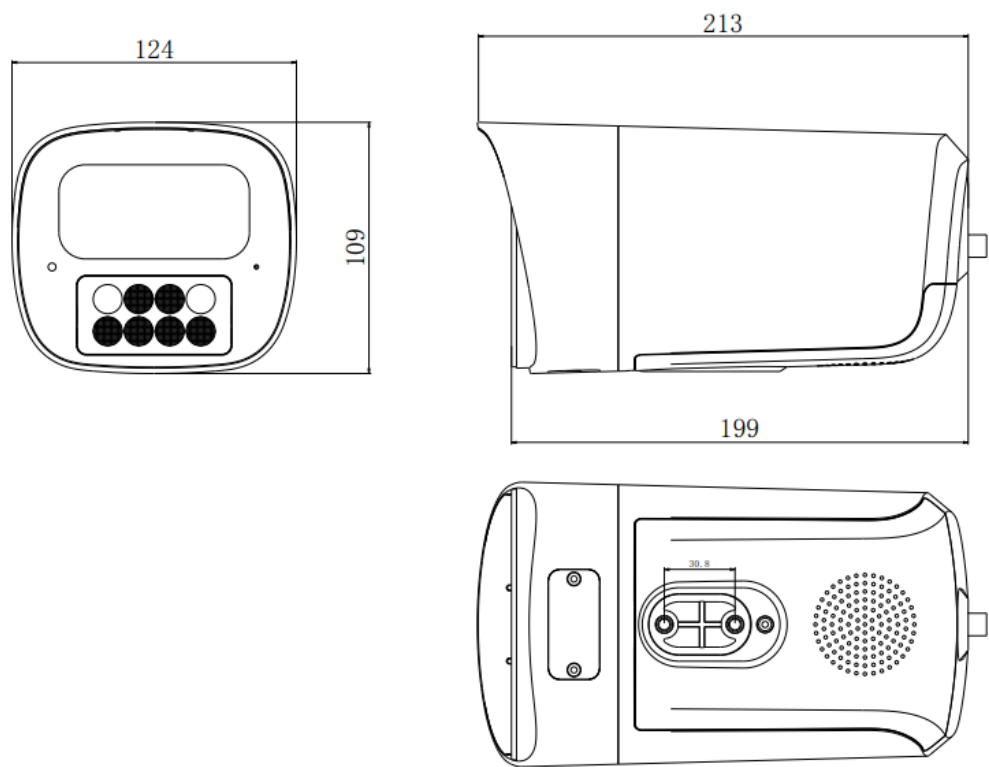
Specifications

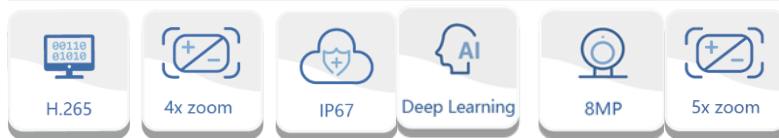
Camera	
Sensor	1/1.8" CMOS
Min. Illumination	Colour:0.001 lux (F1.4, AGC ON) B/W:0.0001 lux (F1.4, AGC ON) 0 lux with LED
Day/Night	Day,Night,Schedule,Auto
Shutter	Auto/Manual, 1 ~ 1/30000s
WDR	120dB
S/N	>52dB
Lens	
Focal Length	8~32mm
Iris	F1.71-1.76
Field of View (H)	40.26°(W) ~14.34°(T)
Field of View (V)	26.6°(W)~9.72°(T)
Field of View (D)	48.82°(W)~17.00°(T)
Illuminator	
Illumination Distance	30 m (98.43 ft)
LED On/Off Control	Auto/Manual
Video	
Video Stream	Triple Streams
Frame Rate	Main Stream: 4MP(2688×1520), Max 30fps Sub Stream: D1,Max 30fps Thrid Stream: 2MP(1920×1080), Max 30fps
Video Compression	H.265; H.264; MJPEG
Video Bit Rate	32 Kbps ~ 16 Mbps
ROI	Support
Privacy Mask	Up to 4 areas
OSD	Up to 8 OSDs (5 OSDs customized)
Audio	
Audio Compression	G.711a / G.711u / ADPCM / G.722 /G.726 /OPUS
Sampling Rate	8K/16K/32K/48K
Image	
White Balance	Auto&Manual&Locked&Fluorescent Lamp&Incandescent Lamp&Warm Light&Natural Light
Digital Noise Reduction	2D/3D DNR
Backlight Compensation	Off / WDR / BLC / HLC

Smart IR	Support
Mirror Mode	Normal,Up and Down,Left and Right,Center
Intelligent Analysis	
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
Facial attribute analysis	Age, Gender, Mask, Glasses, Facial expression, Posture, Hairstyle, Hair color, Hat, etc.
Face Comparison	Surveillance databases with over 50,000 images for face recognition
LPR	Support licence plate recognition of vehicles
Events	
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion Detection, Gathering (support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge; Object Removal; Object Left; Scene Change; Video Blocked
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR,NAS(NFS),IPSAN
Network	
Protocols	TCP/IP、HTTP、FTP、RTP、RTCP、RTSP、PPPoE、SMTP、UDP、UPnP、SNMP、DHCP、DNS、DDNS、802.1X、QoS
Compatible Integration	GB/T 28181,ONVIF (Profile S, Profile G, Profile T),SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VCClient
Web Browser	Chrome 45 and above, Firefox 52 and above ,Edge 79 and above&Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above
Interface	
Network	1 × RJ45 10M/100M Base-TX Ethernet
Audio I/O	2 x Line in / 1 x Line out
Serial Port	1 x RS485
Alarm I/O	3 x Input / 2 x Output
Memory Slot	Micro SD card slot, supports up to 1TB
Approval	
Certification	CE、FCC
Protection	IP67
General	
Power	DC12V(±25%)
Power Consumption	36W

Power Interface	DC Jack
Dimensions	213*124*109mm
Weight	Net Weight: 1.2kg; Gross Weight: 1.4kg
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Mounting Bracket	Bracket not included

Dimensions





IPC2855-Fi7N

Key Features

- ◆ High quality image with 8MP, 1/1.8"CMOS sensor
- ◆ 3840×21600@30fps in the main stream
- ◆ Support H.265, H.264, MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
- ◆ Expansive night view with up to 30m distance
- ◆ Water and dust resistant (IP67)
- ◆ Smart Event support: Guard line detection, Entry area detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Support customized voice prompt by editing text on the web interface
- ◆ AC24V power supply
- ◆ Wide voltage range of $\pm 20\%$ in AC24V

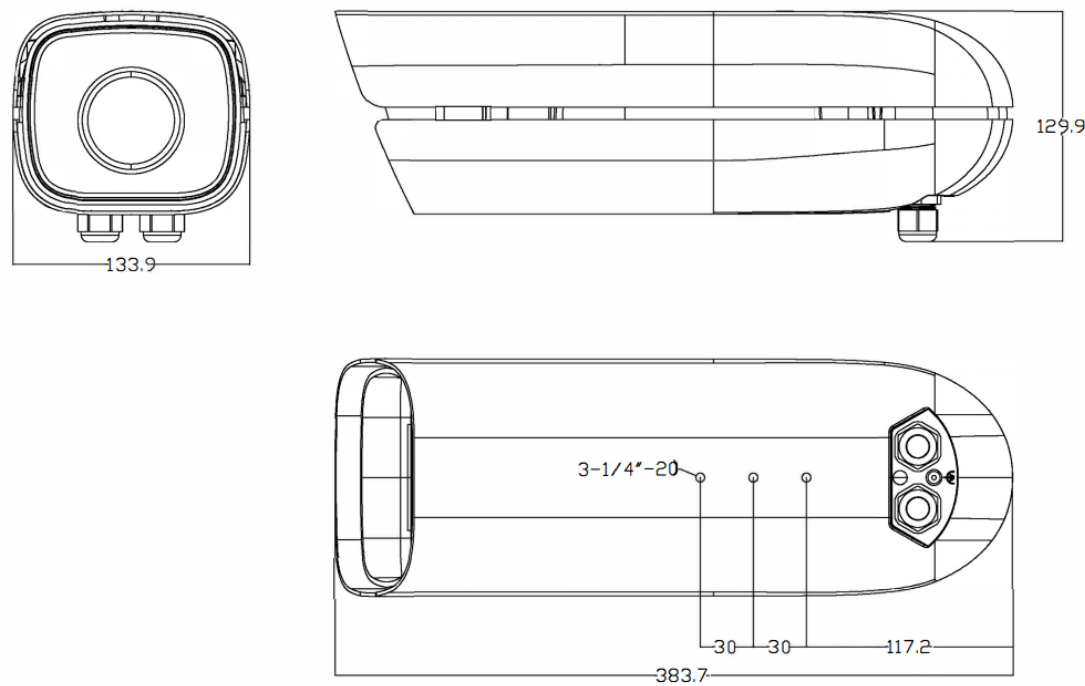
Specifications

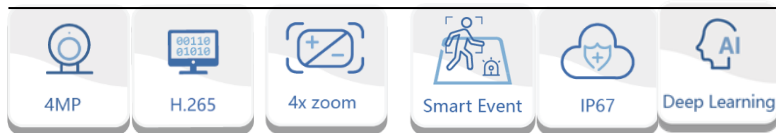
Camera	
Sensor	1/1.8" CMOS
Min. Illumination	Colour:0.001 lux (F1.4, AGC ON) B/W:0.0001 lux (F1.4, AGC ON) 0 lux with LED
Day/Night	Day,Night,Schedule,Auto
Shutter	Auto/Manual, 1 ~ 1/30000s
WDR	120dB
S/N	>52dB
Lens	
Focal Length	10~50mm
Iris	F1.37-1.55
Field of View (H)	40.2°(W) ~9.2°(T)
Field of View (V)	22.8°(W)~5.3°(T)
Field of View (D)	46.0°(W)~10.4°(T)
Illuminator	
Illumination Distance	30 m (98.43 ft)
LED On/Off Control	Auto/Manual
Video	
Video Stream	Triple Streams
Frame Rate	Main Stream: 8MP(3840×2160), Max 30fps Sub Stream: 2MP(1920×1080), Max 30fps Thrid Stream:D1,Max 30fps
Video Compression	H.265; H.264; MJPEG
Video Bit Rate	32 Kbps ~ 32 Mbps
ROI	Support
Privacy Mask	Up to 4 areas
OSD	Up to 8 OSDs (5 OSDs customized)
Audio	
Audio Compression	G.711a / G.711u / G.722.1c / ADPCM / G.722 /G.726 /OPUS
Sampling Rate	8K/16K/32K/48K
Image	
White Balance	Auto&Manual&Locked&Fluorescent Lamp&Incandescent Lamp&Warm Light&Natural Light
Digital Noise Reduction	2D/3D DNR
Backlight Compensation	Off / WDR / BLC / HLC

Smart IR	Support
Mirror Mode	Normal,Up and Down,Left and Right,Center
Intelligent Analysis	
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
Facial attribute analysis	Age, Gender, Mask, Glasses, Facial expression, Posture, Hairstyle, Hair color, Hat, etc.
Face Comparison	Surveillance databases with over 50,000 images for face recognition
LPR	Support licence plate recognition of vehicles
Events	
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion Detection, Gathering, Audio Surge, Object Removal, Object Left, Scene Change, Video Blocked
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR,NAS(NFS),IPSAN
Network	
Protocols	TCP/IP、HTTP、FTP、RTP、RTCP、RTSP、PPPoE、SMTP、UDP、UPnP、SNMP、DHCP、DNS、DDNS、802.1X、QoS
Compatible Integration	GB/T 28181,ONVIF (Profile S, Profile G, Profile T),SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VCClient
Web Browser	Chrome 45 and above, Firefox 52 and above ,Edge 79 and above&Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above
Interface	
Network	1 × RJ45 10M/100M Base-TX Ethernet
Audio I/O	1 x Line in / 1 x Line out
Serial Port	1 x RS485
Alarm I/O	1 x Input / 1 x Output
Memory Slot	Micro SD card slot, supports up to 1TB
Approval	
Certification	CE、FCC
Protection	IP67
General	
Power	AC24V(±20%)
Power Consumption	36W
Power Interface	Two-wire power interface

Dimensions	375*134*130mm
Weight	Net Weight: 3.2kg; Gross Weight: 3.35kg
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Mounting Bracket	Bracket not included

Dimensions





IPC2454-Di7N

Key Features

- ◆ Dual lens included, High quality image with 4MP, 1/1.8"CMOS sensor
- ◆ 2688×1520@30fps in the main stream
- ◆ Support H.265, H.264, MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
- ◆ Expansive night view with up to 30m distance
- ◆ Water and dust resistant (IP67)
- ◆ Smart Event support: Guard line detection, Entry area detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Support customized voice prompt by editing text on the web interface
- ◆ DC12V power supply
- ◆ Wide voltage range of $\pm 25\%$ in DC12V

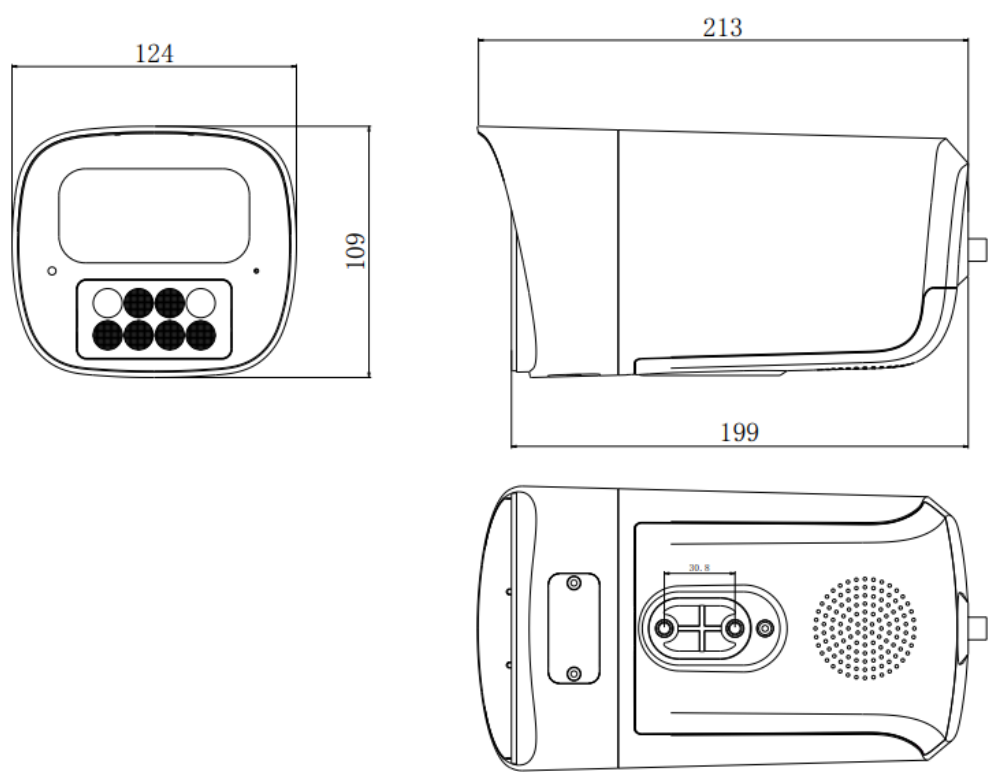
Specifications

Camera		
	Channel 1	Channel 2
Sensor	1/1.8" CMOS	1/1.8" CMOS
Min. Illumination	Colour:0.001 lux (F1.4, AGC ON) B/W:0.0001 lux (F1.4, AGC ON) 0 lux with LED	
Day/Night	Day,Night,Schedule,Auto	
Shutter	Auto/Manual, 1 ~ 1/30000s	
WDR	120dB	
S/N	>52dB	
Lens		
	Channel 1	Channel 2
Focal Length	8~32mm	4mm
Iris	F1.71-1.76	F1.0
Field of View (H)	40.26°(W) ~14.34°(T)	92°
Field of View (V)	26.6°(W)~9.72°(T)	49°
Field of View (D)	48.82°(W)~17.00°(T)	108°
Illuminator		
	LED	IR
Illumination Distance	30 m (98.43 ft)	50 m (164.04 ft)
On/Off Control	Auto/Manual	
Video		
	Channel 1	Channel 2
Video Stream	Triple Streams	Triple Streams
Frame Rate	Main Stream: 4MP(2688×1520), Max 30fps Sub Stream: D1,Max 30fps Thrid Stream: 2MP(1920×1080), Max 30fps	Main Stream: 4MP(2688×1520), Max 30fps Sub Stream: D1,Max 30fps Thrid Stream: 2MP(1920×1080), Max 30fps
Video Compression	H.265; H.264; MJPEG	
Video Bit Rate	32 Kbps ~ 16 Mbps	
ROI	Support	
Privacy Mask	Up to 4 areas	
OSD	Up to 8 OSDs (5 OSDs customized)	
Audio		
Audio Compression	G.711a / G.711u / ADPCM / G.722 /G.726 /OPUS	
Sampling Rate	8K/16K/32K/48K	

Image	
White Balance	Auto&Manual&Locked&Fluorescent Lamp&Incandescent Lamp&Warm Light&Natural Light
Digital Noise Reduction	2D/3D DNR
Backlight Compensation	Off / WDR / BLC / HLC
Smart IR	Support
Mirror Mode	Normal,Up and Down,Left and Right,Center
Intelligent Analysis	
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
Facial attribute analysis	Age, Gender, Mask, Glasses, Facial expression, Posture, Hairstyle, Hair color, Hat, etc.
Face Comparison	Surveillance databases with over 50,000 images for face recognition
LPR	Support licence plate recognition of vehicles
Events	
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion Detection, Gathering (support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge; Object Removal; Object Left; Scene Change; Video Blocked
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR,NAS(NFS),IPSAN
Network	
Protocols	TCP/IP、HTTP、FTP、RTP、RTCP、RTSP、PPPoE、SMTP、UDP、UPnP、SNMP、DHCP、DNS、DDNS、802.1X、QoS
Compatible Integration	GB/T 28181,ONVIF (Profile S, Profile G, Profile T),SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VClient
Web Browser	Chrome 45 and above, Firefox 52 and above ,Edge 79 and above&Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above
Interface	
Network	1 × RJ45 10M/100M Base-TX Ethernet
Audio I/O	2 x Line in / 1 x Line out / 1 x Mic / 1 x Speaker
Serial Port	1 x RS485
Alarm I/O	3 x Input / 2 x Output
Memory Slot	Micro SD card slot, supports up to 1TB
Approval	
Certification	CE、FCC

Protection	IP67
General	
Power	DC12V(±25%)
Power Consumption	36W
Power Interface	DC Jack
Dimensions	213*124*109mm
Weight	Net Weight: 1.25kg; Gross Weight: 1.45kg
Working Environment	-40 ℃ ~ 70 ℃ (-40 °F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Mounting Bracket	Bracket not included

Dimensions



unit: mm



IPC2856-Di7N

Key Features

- ◆ Dual lens included, High quality image with 8MP, 1/1.2"CMOS sensor
- ◆ 3840×2160@30fps in the main stream
- ◆ Support H.265, H.264, MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
- ◆ Expansive night view with up to 30m distance
- ◆ Water and dust resistant (IP67)
- ◆ Smart Event support: Guard line detection, Entry area detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Support customized voice prompt by editing text on the web interface
- ◆ AC24V power supply
- ◆ Wide voltage range of $\pm 20\%$ in AC24V

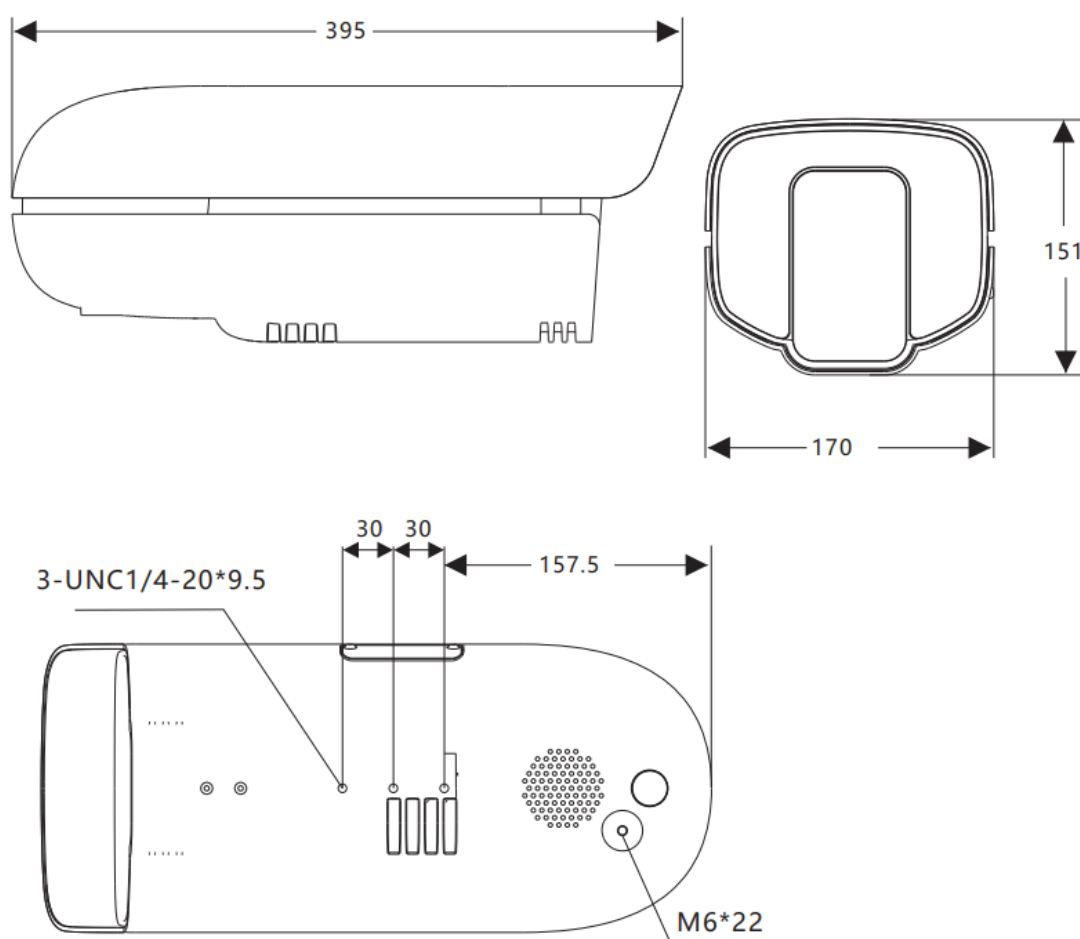
Specifications

Camera		
	Channel 1	Channel 2
Sensor	1/1.2" CMOS	1/1.8" CMOS
Min. Illumination	Colour:0.001 lux (F1.4, AGC ON) B/W:0.0001 lux (F1.4, AGC ON) 0 lux with LED	
Day/Night	Day,Night,Schedule,Auto	
Shutter	Auto/Manual, 1 ~ 1/30000s	
WDR	120dB	
S/N	>52dB	
Lens		
	Channel 1	Channel 2
Focal Length	15~50mm	4mm
Iris	F1.67-1.73	F1.0
Field of View (H)	42.2°(W) ~12.9°(T)	92°
Field of View (V)	23.7°(W)~7.3°(T)	49°
Field of View (D)	48.4°(W)~14.8°(T)	108°
Illuminator		
	LED	IR
Illumination Distance	30 m (98.43 ft)	50 m (164.04 ft)
On/Off Control	Auto/Manual	
Video		
	Channel 1	Channel 2
Video Stream	Triple Streams	Triple Streams
Frame Rate	Main Stream: 8MP(3840×2160),Max 30fps Sub Stream: 2MP(1920×1080), Max 30fps Thrid Stream: D1,Max 30fps	Main Stream: 4MP(2688×1520), Max 30fps Sub Stream: 2MP(1920×1080), Max 30fps Thrid Stream: D1,Max 30fps
Video Compression	H.265; H.264; MJPEG	
Video Bit Rate	32 Kbps ~ 32Mbps	
ROI	Support	
Privacy Mask	Up to 4 areas	
OSD	Up to 8 OSDs (5 OSDs customized)	
Audio		
Audio Compression	G.711a / G.711u / ADPCM / G.722 /G.726 /OPUS	
Sampling Rate	8K/16K/32K/48K	

Image	
White Balance	Auto&Manual&Locked&Fluorescent Lamp&Incandescent Lamp&Warm Light&Natural Light
Digital Noise Reduction	2D/3D DNR
Backlight Compensation	Off / WDR / BLC / HLC
Smart IR	Support
Mirror Mode	Normal,Up and Down,Left and Right,Center
Intelligent Analysis	
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
Facial attribute analysis	Age, Gender, Mask, Glasses,Facial expression, Posture, Hairstyle, Hair color, Hat, etc.
Face Comparison	Surveillance databases with over 100,000 images for face recognition
LPR	Support licence plate recognition of vehicles
Events	
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion Detection, Gathering (support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge; Object Removal; Object Left; Scene Change; Video Blocked
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR,NAS(NFS),IPSAN
Network	
Protocols	TCP/IP、HTTP、FTP、RTP、RTCP、RTSP、PPPoE、SMTP、UDP、UPnP、SNMP、DHCP、DNS、DDNS、802.1X、QoS
Compatible Integration	GB/T 28181,ONVIF (Profile S, Profile G, Profile T),SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP,Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VClient
Web Browser	Chrome 45 and above, Firefox 52 and above ,Edge 79 and above&Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above
Interface	
Network	1 × RJ45 10M/100M Base-TX Ethernet
Audio I/O	2 x Line in / 1 x Line out / 2 x Mic / 1 x Speaker
Serial Port	1 x RS485
Alarm I/O	3 x Input / 2 x Output
Memory Slot	Micro SD card slot, supports up to 1TB
Approval	
Certification	CE、FCC

Protection	IP67
General	
Power	AC24V(±20%)
Power Consumption	36W
Power Interface	Two-wire power interface
Dimensions	395*170*151mm
Weight	Net Weight: 4.9kg; Gross Weight: 5.15kg
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
Mounting Bracket	Bracket not included

Dimensions



unit: mm

PTZ Dome Camera



IPC445-i833-NP

Key Features

- ◆ High quality image with 4MP, 1/1.8"CMOS sensor
- ◆ 2688*1520@30fps in the main stream
- ◆ Support H.265, H.264 and MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ Secures an expansive area with 33× optical zoom
- ◆ IR night view range up to 200m
- ◆ Water and dust resistant (IP66)
- ◆ Smart event detection: Guard line detection, Entry area detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
- ◆ Support configuring tracking types by preset, enabling detection and classification of people, motor vehicles and non-motor vehicles in surveillance image, with synchronized close-up image zoomed tracking
- ◆ Surveillance databases with over 100,000 images for face recognition
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Support customized voice prompt by editing text on the web interface
- ◆ DC36V or PoE++ (IEEE 802.3bt) power supply
- ◆ Wide voltage range of $\pm 25\%$ in DC36V

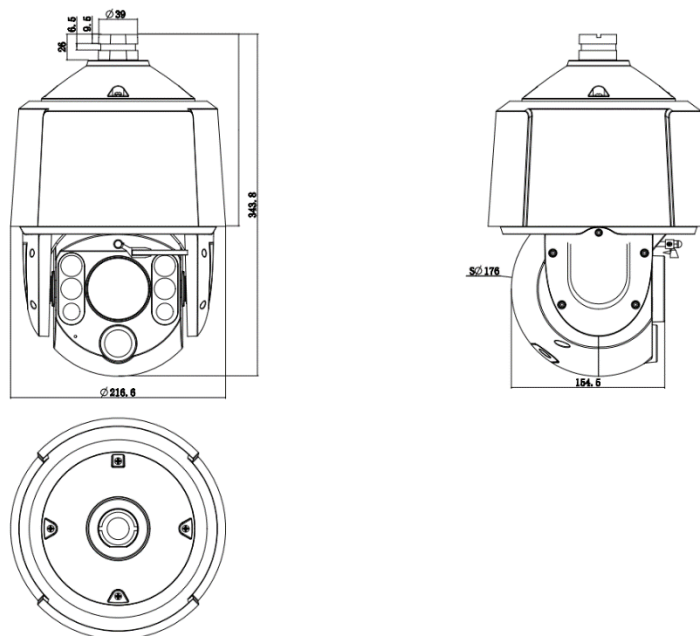
Specifications

Camera	
Sensor	1/1.8" CMOS
Min. Illumination	Colour:0.001 lux (F1.6, AGC ON) B/W:0.0005 lux (F1.6, AGC ON) 0 lux with IR
Day/Night	Day, Night, Scheduled, Auto
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	120dB
S/N	>55dB
Lens	
Focal Length	4.5~148.5mm
Optical Zoom	33x
Iris	F1.6(w)~4.1(t)
Field of View (H)	58.5°(w)~3.7°(t)
Field of View (V)	35°(w)~2.1°(t)
Field of View (D)	65.3°(w)~4.2°(t)
Illuminator	
Illumination Distance (IR)	200 m (656.2 ft)
IR On/Off Control	Auto/Manual
Wavelength	850 nm
PTZ	
Movement Range (Pan)	360° endless
Movement Range (Tilt)	-20° to 90°
Pan Speed	configurable from 0.1° to 160°/s, preset speed: 160°/s
Tilt Speed	configurable from 0.1° to 120°/s, preset speed 120°/s,
Presets	1024
Patrol Mode	8 paths, up to 32 presets for each path
Mixed Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory	Support
3D Positioning	Support
Guard Tour-Path	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode
Scheduled Task	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode, camera reboot, lens adjustment, auxiliary output
Video	

Video Stream	Dual Streams
Frame Rate	Main Stream: 4MP (2688*1520), Max 30fps Sub Stream: 2MP (1920*1080), Max 30fps
Video Compression	H.265; H.264; MJPEG
Video Bit Rate	256 Kbps ~ 32 Mbps
ROI	Support
Privacy Mask	Up to 4 areas
OSD	Up to 8 OSDs
Image	
White Balance	Auto, Manual, Fluorescent Lamp, Incandescent Lamp, Lock, Warm Light, Natural Light
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Mirror Mode	Normal, Up and down, Left and right, Center
Intelligent Analysis	
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
Facial attribute analysis	Age, Gender, Mask, Glasses, Facial expression, Posture, Hairstyle, Hair color, Hat, etc.
Face Comparison	Surveillance databases with over 100,000 images for face recognition
Events	
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion detection(support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge, Object Removal, Object Left; Scene Change, Video Blocked
Audio	
Audio Compression	G.711a, G.711u, G.722, G726, ADPCM, G722.1c, OPUS
Sampling Rate	8kHz/16kHz/32kHz/48kHz
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR, NAS(NFS), IPSAN
Network	
Protocols	TCP/IP, HTTP, FTP, RTP, RTCP, RTSP, PPPoE, SMTP, UDP, UPnP, SNMP, DHCP, DNS, DDNS, 802.1X, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VClient
Web Browser	Chrome 45 and above, Firefox 52 and above, Edge 79 and above, Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above,
Interface	

Audio I/O	1/1
Alarm I/O	4/2
Network	1 * RJ45 10M/100M Base-TX Ethernet
Approval	
Certification	CE、FCC
Protection	IP66
General	
Power	DC36V ($\pm 25\%$), PoE++ (IEEE 802.3bt)
Power Consumption	45W
Power Interface	DC36V
Dimensions	$\Phi 216.6\text{mm} \times 343.8\text{ mm (L*W*H)}$
Weight	Net Weight: 5kg; Gross Weight: 7kg
Working Environment	$-40\text{ }^{\circ}\text{C} \sim 70\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F} \sim 158\text{ }^{\circ}\text{F}$), Humidity: $\leq 95\%$ RH (non-condensing)
Surge Protection	6KV

Dimensions





IPC485-i833-NP

Key Features

- ◆ High quality image with 8MP, 1/1.8"CMOS sensor
- ◆ 3840*2160@25fps in the main stream
- ◆ Support H.265, H.264 and MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ Secures an expansive area with 33× optical zoom
- ◆ IR night view range up to 200m
- ◆ Water and dust resistant (IP66)
- ◆ Smart event detection: Guard line detection, Intrusion detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
- ◆ Support configuring tracking types by preset, enabling detection and classification of people, motor vehicles and non-motor vehicles in surveillance image, with synchronized close-up image zoomed tracking
- ◆ Surveillance databases with over 100,000 images for face recognition
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Support customized voice prompt by editing text on the web interface
- ◆ DC36V or PoE++ (IEEE 802.3bt) power supply
- ◆ Wide voltage range of ±25% in DC36V

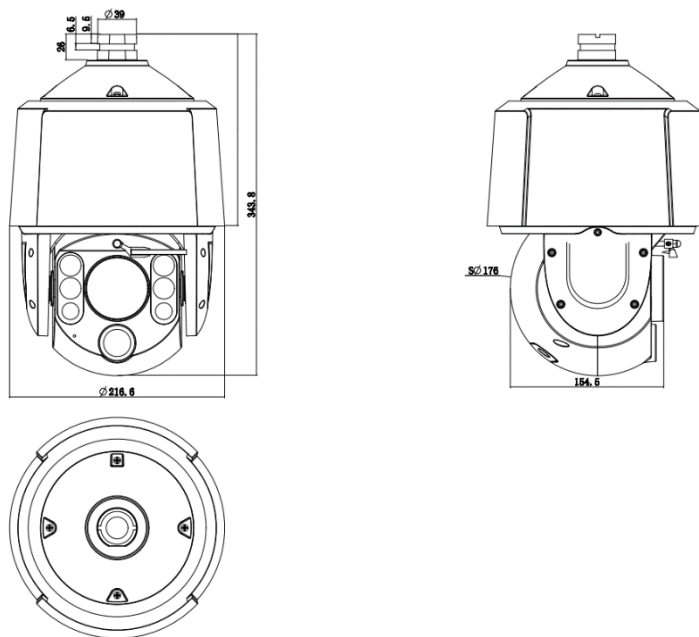
Specifications

Camera	
Sensor	1/1.8" CMOS
Min. Illumination	Colour:0.001 lux (F1.6, AGC ON) B/W:0.0005 lux (F1.6, AGC ON) 0 lux with IR
Day/Night	Day, Night, Scheduled, Auto
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	120dB
S/N	>55dB
Lens	
Focal Length	4.5~148.5mm
Optical Zoom	33x
Iris	F1.6(w)~4.1(t)
Field of View (H)	58.5°(w)~3.7°(t)
Field of View (V)	35°(w)~2.1°(t)
Field of View (D)	65.3°(w)~4.2°(t)
Illuminator	
Illumination Distance (IR)	200 m (656.2 ft)
IR On/Off Control	Auto/Manual
Wavelength	850 nm
PTZ	
Movement Range (Pan)	360° endless
Movement Range (Tilt)	-20° to 90°
Pan Speed	configurable from 0.1° to 160°/s, preset speed: 160°/s
Tilt Speed	configurable from 0.1° to 120°/s, preset speed 120°/s,
Presets	1024
Patrol Mode	8 paths, up to 32 presets for each path
Mixed Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory	Support
3D Positioning	Support
Guard Tour-Path	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode
Scheduled Task	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode, camera reboot, lens adjustment, auxiliary output
Video	

Video Stream	Dual Streams
Frame Rate	Main Stream: 3840*2160, Max 25fps Sub Stream: 720*576, Max 25fps
Video Compression	H.265; H.264; MJPEG
Video Bit Rate	256 Kbps ~ 32 Mbps
ROI	Support
Privacy Mask	Up to 4 areas
OSD	Up to 8 OSDs
Image	
White Balance	Auto, Manual, Fluorescent Lamp, Incandescent Lamp, Lock, Warm Light, Natural Light
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Mirror Mode	Normal, Up and down, Left and right, Center
Intelligent Analysis	
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles
Facial attribute analysis	Age, Gender, Mask, Glasses, Facial expression, Posture, Hairstyle, Hair color, Hat, etc.
Face Comparison	Surveillance databases with over 100,000 images for face recognition
Events	
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion detection(support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge, Object Removal, Object Left; Scene Change, Video Blocked
Audio	
Audio Compression	G.711a, G.711u, G.722, G726, ADPCM, G722.1c, OPUS
Sampling Rate	8kHz/16kHz/32kHz/48kHz
Storage	
Edge Storage	Micro SD, up to 1TB
Network Storage	ANR, NAS(NFS), IPSAN
Network	
Protocols	TCP/IP, HTTP, FTP, RTP, RTCP, RTSP, PPPoE, SMTP, UDP, UPnP, SNMP, DHCP, DNS, DDNS, 802.1X, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); SDK
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall
Client	VClient
Web Browser	Chrome 45 and above, Firefox 52 and above, Edge 79 and above, Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above,
Interface	

Audio I/O	1/1
Alarm I/O	4/2
Network	1 * RJ45 10M/100M Base-TX Ethernet
Approval	
Certification	CE、FCC
Protection	IP66
General	
Power	DC36V ($\pm 25\%$), PoE++ (IEEE 802.3bt)
Power Consumption	45W
Power Interface	DC36V
Dimensions	$\Phi 216.6\text{mm} \times 343.8\text{ mm}$ (L*W*H)
Weight	Net Weight: 5kg; Gross Weight: 7kg
Working Environment	$-40\text{ }^{\circ}\text{C} \sim 70\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F} \sim 158\text{ }^{\circ}\text{F}$), Humidity: $\leq 95\%$ RH (non-condensing)
Surge Protection	6KV

Dimensions





IPC445-Di233-N

Key Features

- ◆ High quality image with Dual 4MP, 1/1.8"CMOS sensor
- ◆ 2688*1520@25fps in the main stream include panorama and close-up view
- ◆ Support H.265, H.264 and MJPEG video compression, Smart video compression (H.265, H.264)
- ◆ Panorama view: 4mm; Close-up view: Secures an expansive area with 33× optical zoom, 4.5mm~148.5mm
- ◆ Mixed Lighting: White Light up to 30 meters, Infrared up to 200 meters
- ◆ Supports rain wiper functionality
- ◆ Water and dust resistant (IP66)
- ◆ Smart event detection: Guard line detection, Intrusion detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Automatically detect and capture targets in the close-up view video such as personnel, vehicles, and non-motor vehicles
- ◆ Support configuring tracking types by preset, enabling detection and classification of people, motor vehicles and non-motor vehicles in surveillance image, with synchronized close-up image zoomed tracking
- ◆ Surveillance databases with over 100,000 images for face recognition
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Support customized voice prompt by editing text on the web interface
- ◆ AC24V power supply

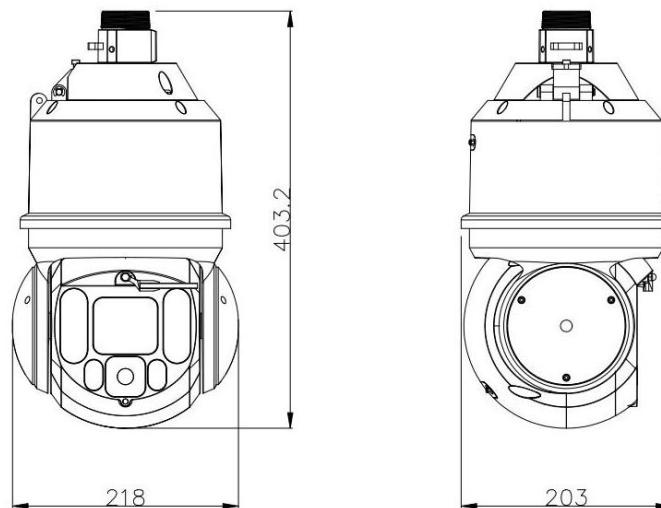
Specifications

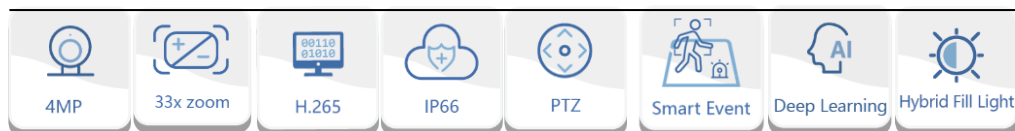
Camera		
Sensor	Panorama Channel: 1/1.8' ' progressive scan CMOS PTZ Channel: 1/1.8' ' progressive scan CMOS	
Min. Illumination	Colour:0.0005 lux (AGC ON) B/W:0.0001 lux (AGC ON)	
Day/Night	Day, Night, Scheduled, Auto	
Shutter	Auto/Manual, 1 ~ 1/30000s	
WDR	120dB	
S/N	>55dB	
Lens	PTZ Channel	Panorama Channel
Focal Length	4.5~148.5mm	4mm
Optical Zoom	33x	/
Iris	F1.6(w)~4.1(t)	F1.0
Field of View (H)	58.5°(w)~3.7°(t)	92°
Field of View (V)	35°(w)~2.1°(t)	49°
Field of View (D)	65.3°(w)~4.2°(t)	108°
Illuminator		
Illumination Distance (IR)	White:30m(98.4ft), IR: 200m (656.2 ft)	
IR On/Off Control	Auto/Manual	
Wavelength	IR: 850 nm	
PTZ		
Movement Range (Pan)	360° endless	
Movement Range (Tilt)	-20° to 90°	
Pan Speed	configurable from 0.1° to 240°/s, preset speed: 300°/s	
Tilt Speed	configurable from 0.1° to 160°/s, preset speed 240°/s,	
Presets	1024	
Patrol Mode	8 paths, up to 32 presets for each path	
Mixed Scan	4 pattern scans, record time over 10 minutes for each scan	
Power-off Memory	Support	
3D Positioning	Support	
Guard Tour-Path	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode	
Scheduled Task	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode, camera reboot, lens adjustment, auxiliary output	
Video	PTZ Channel	Panorama Channel

Video Stream	Dual Streams	Dual Streams
Frame Rate	Main Stream: 2688*1520@ 25fps, Sub Stream: 1280*720@ 30fps,	Main Stream: 2688*1520@ 25fps, Sub Stream: 1280*720@ 30fps,
Video Compression	H.265; H.264; MJPEG	
Video Bit Rate	256 Kbps ~ 32 Mbps	
ROI	Support	
Privacy Mask	Up to 4 areas	
OSD	Up to 8 OSDs	
Image		
White Balance	Auto, Manual, Fluorescent Lamp, Incandescent Lamp, Lock, Warm Light, Natural Light	
Digital Noise Reduction	2D/3D DNR	
Smart IR	Support	
Mirror Mode	Normal, Up and down, Left and right, Center	
Intelligent Analysis		
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles	
Facial attribute analysis	Age, Gender, Mask, Glasses,Facial expression, Posture, Hairstyle, Hair color, Hat, etc.	
Face Comparison	Surveillance databases with over 100,000 images for face recognition	
Zoom Close-Up	Support configuring tracking types by preset, enabling detection and classification of people, motor vehicles and non-motor vehicles in surveillance image, with synchronized close-up image zoomed tracking	
Events		
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion detection(support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge, Object Removal, Object Left; Scene Change, Video Blocked	
Audio		
Audio Compression	G.711a, G.711u, G.722, G726, ADPCM, G722.1c, OPUS	
Sampling Rate	8kHz/16kHz/32kHz/48kHz	
Storage		
Edge Storage	SD, up to 1TB	
Network Storage	ANR, NAS(NFS), IPSAN	
Network		
Protocols	TCP/IP, HTTP, FTP, RTP, RTCP, RTSP, PPPoE, SMTP, UDP, UPnP, SNMP, DHCP, DNS, DDNS, 802.1X, QoS	
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); SDK	
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator	
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall	
Client	VClient	
Web Browser	Chrome 45 and above, Firefox 52 and above, Edge 79 and above, Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above,	

Interface	
Audio I/O	1/1
Alarm I/O	4/2
Serial Port	1 channel RS485 interface
Network	1 * RJ45 10M/100M Base-TX Ethernet
Approval	
Certification	CE
Protection	IP66
General	
Power	AC24V ($\pm 25\%$)
Power Consumption	45W
Power Interface	AC24V
Dimensions	218mm×203mm×403.2(L×W×H)
Weight	Net Weight: 7kg; Gross Weight: 9.7kg
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158°F), Humidity: $\leq 95\%$ RH (non-condensing)
Surge Protection	6KV

Dimensions





IPC445-Ui233-N

Key Features

- ◆ High quality image with 4MP, 1/1.8"CMOS sensor
- ◆ Equipped with 3 lenses, including two F1.0 large-aperture full-color lenses for panoramic imaging, capable of outputting 190° stitched wide-scene images
- ◆ Support outputting 1 panoramic stitched video stream and 1 detailed capture video stream
- ◆ Dual 4MP fixed-focus panoramic stitching 190° , with panoramic 4K resolution: 5120×1440; detail resolution 4MP: 2688×1520
- ◆ Support configuring tracking types by preset, enabling detection and classification of people, motor vehicles and non-motor vehicles in surveillance image, with synchronized close-up image zoomed tracking
- ◆ Support capturing faces, human bodies, motor vehicles, and non-motor vehicles, as well as the linkage between faces and human bodies, vehicles and license plates
- ◆ Supports simultaneous classification and counting of pedestrians, non-motorized vehicles, and motor vehicles
- ◆ Smart event detection: Guard line detection, Intrusion detection, Enter area detection, Exit area detection, Motion Detection
- ◆ Automatically detect and capture targets in the close-up view video such as personnel, vehicles, and non-motor vehicles
- ◆ Surveillance databases with over 100,000 images for face recognition
- ◆ Support alarm triggering by specified target types (human \ vehicle \ non-motor vehicle)
- ◆ Support customized voice prompt by editing text on the web interface, Support automatic conversion of input text into speech files and broadcast output via built-in speakers
- ◆ Supports heating the front lens cover glass to remove frost, ice, and water-based residues from the surface
- ◆ DC36V power supply
- ◆ Water and dust resistant (IP66)

Specifications

Camera		
Sensor	Panorama Channel: 1/1.8" progressive scan CMOS * 2 PTZ Channel: 1/1.8" progressive scan CMOS	
Min. Illumination	Colour:0.0005 lux (AGC ON) B/W:0.0001 lux (AGC ON)	
Day/Night	Day, Night, Scheduled, Auto	
Shutter	Auto/Manual, 1 ~ 1/30000s	
WDR	120dB	
S/N	>55dB	
Lens	PTZ Channel	Panorama Channel
Focal Length	4.5~148.5mm	4mm * 2
Optical Zoom	33x	/
Iris	F1.6(w)~4.1(t)	F1.0
Field of View (H)	58.5°(w)~3.7°(t)	190°
Field of View (V)	35°(w)~2.1°(t)	134°
Field of View (D)	65.3°(w)~4.2°(t)	60.8°
Illuminator		
Illumination Distance (IR)	White:30m(98.4ft), IR: 200m (656.2 ft)	
IR On/Off Control	Auto/Manual	
Wavelength	IR: 850 nm	
PTZ		
Movement Range (Pan)	PTZ Channel: 360° endless	
Movement Range (Tilt)	PTZ Channel: -20° to 90°; Panorama Channel: 6° ~18°	
Pan Speed	configurable from 0.1° to 240°/s, preset speed: 300°/s	
Tilt Speed	configurable from 0.1° to 160°/s, preset speed 240°/s,	
Presets	1024	
Patrol Mode	8 paths, up to 32 presets for each path	
Mixed Scan	4 pattern scans, record time over 10 minutes for each scan	
Power-off Memory	Support	
3D Positioning	Support	
Guard Tour-Path	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode	
Scheduled Task	Load preset, mixed mode, path mode, pan mode, tilt mode, random mode, frame mode, panoramic mode, camera reboot, lens adjustment, auxiliary output	
Video	PTZ Channel	Panorama Channel

Video Stream	Dual Streams	Dual Streams
Frame Rate	Main Stream: 2688*1520, Max 25fps Sub Stream: 1920*1080, Max 30fps	Main Stream: 5120*1440, Max 25fps Sub Stream: 1920*540, Max 25fps
Video Compression	H.265; H.264; MJPEG	
Video Bit Rate	256 Kbps ~ 32 Mbps	
ROI	Support	
Privacy Mask	Up to 4 areas	
OSD	Up to 8 OSDs	
Image		
White Balance	Auto, Manual, Fluorescent Lamp, Incandescent Lamp, Lock, Warm Light, Natural Light	
Digital Noise Reduction	2D/3D DNR	
Smart IR	Support	
Mirror Mode	Normal, Up and down, Left and right, Center	
Intelligent Analysis		
Targets Capture	Automatically detect and capture targets in the video such as personnel, vehicles, and non-motor vehicles	
Facial attribute analysis	Age, Gender, Mask, Glasses,Facial expression, Posture, Hairstyle, Hair color, Hat, etc.	
Face Comparison	Surveillance databases with over 100,000 images for face recognition	
Zoom Close-Up	Supports panoramic-detail linkage, where detail cameras can detect, track, and capture pedestrians, motor vehicles, and non-motorized vehicles within the monitoring range of panoramic cameras	
Events		
Smart Event	Guard line detection, Intrusion detection, Enter guard area, Exit guard area, Motion detection(support false alarm filtering and the classification of human, non-motor vehicle and vehicle) Audio Surge, Object Removal, Object Left; Scene Change, Video Blocked	
Audio		
Audio Compression	G.711a, G.711u, G.722, G726, ADPCM, G722.1c, OPUS	
Sampling Rate	8kHz/16kHz/32kHz/48kHz	
Storage		
Edge Storage	Micro SD, up to 1TB	
Network Storage	ANR, NAS(NFS), IPSAN	
Network		
Protocols	TCP/IP, HTTP, FTP, RTP, RTCP, RTSP, PPPoE, SMTP, UDP, UPnP, SNMP, DHCP, DNS, DDNS, 802.1X, QoS	
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); SDK	
User/Host	Up to 20 users. 3 user levels: administrator, common user and operator	
Security	Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF, Network Firewall	
Client	VClient	
Web Browser	Chrome 45 and above, Firefox 52 and above, Edge 79 and above, Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above,	

Interface	
Audio I/O	1/1
Alarm I/O	4/2
Serial Port	1 channel RS485 interface
Network	1 * RJ45 10M/100M Base-TX Ethernet
Approval	
Certification	CE
Protection	IP66
General	
Power	DC36V ($\pm 25\%$)
Power Consumption	45W
Power Interface	DC36V
Dimensions	230mm×222x376.4 mm(L×W×H)
Weight	Net Weight: 6kg; Gross Weight: 8kg
Working Environment	-40 °C ~ 70 °C (-40 °F ~ 158°F), Humidity: $\leq 95\%$ RH (non-condensing)
Surge Protection	6KV

Dimensions

