



Concept Pro

2MP

30X zoom

LOW LIGHT

IP

CP-HSD230-IP2M

Concept Pro 2MP IP 30x Zoom High Speed Dome

The Concept Pro CP-HSD230-IP2M is a 2 Megapixel high speed dome with 30x optical zoom. This camera features intelligent Auto Tracking as well as Deep learning Analytics, this means your PTZ won't be pointing the wrong way when you need your security the most.

This PTZ can be a very useful addition to a Concept Pro analytics system ensuring unrivalled accuracy without the setup frustrations.

You can also use this PTZ in a traditional way with Tours, Parking Actions and PIR sensors to make sure we have all your situations covered.



Auto Tracking

Auto Tracking uses intelligent analytics to track the things that matter to you in your installation in a few easy steps.

This reduces the need for PIRs and a complex setup process while improving the quality of your security.



No PIRs, No Problem!

In combination with Concept Pro Deep Learning Plus analytics you can ensure the PTZ is only looking at the things you care about utilising industry leading detection to ensure your PTZ is always pointing in the right direction.



Enhanced Low Light

Enhanced Low-Light harnesses Sony's Starvis technology to produce clear and crisp colour images where light is at a premium, this ensures our products with Enhanced Low-Light stay in colour for longer.

KEY FEATURES

- 2MP Resolution
- 30X Optical Zoom
- 4.5-135mm lens
- Intelligent Auto Tracking Functionality
- Deep Learning Analytics
- Enhanced Low Light Capability
- 200M IR

OTHER FEATURES

- Parking Action/Idle Action
- Preset/Tour/Scan/Patterns
- 7 Alarm Inputs
- 2 Alarm Output

COMPATIBLE WITH

CONCEPT PRO
IP RECORDING
RANGE

CP-HSD230-IP2M

Concept Pro 2MP IP 30x Zoom High Speed Dome

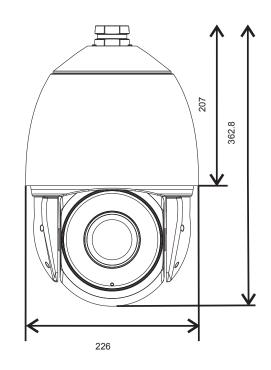


SPECIFICATION

	ature	CP-HSD230-IP2M
	Image Sensor	1/2.8" Progressive Scan CMOS
	Effective Pixels	1920(H)×1080(V)
	Electronic Shutter	Auto/Manual, 1/5-1/20,000s
	Min. illumination	Color: 0.01Lux @(F1.2,AGC ON) B/W: 0Lux @(IR LED ON)
Camera	S/N Ratio	55dB
J 4111014	Day/Night	Auto(ICR) / Day / Night / Timing
	Wide Dynamic Range	WDR (120dB)
	IR Range	Up to 200m
	IR On/Off Control	Auto/ Manual
	IR LEDs	10pcs
	Focal Length	4.5~135mm
	Max. Aperture	F1.6~F4.4
.ens	Angle of View	H: 59.8°~2.3°
	Optical Zoom	30x
	Digital Zoom	16x
	Focus Control	Auto/Manual
	Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: -10° ~ +90°
	Manual Control Speed	Pan: 0.1° ~180° /s, Tilt: 0.1° ~90° /s
	Preset Speed	Pan: 180° /s, Tilt: 90° /s
TZ	Presets	400
	PTZ Mode	6 Track, 12 Tour, 12 Scan,
	Speed Setup	Auto/Manual (0-8)
	Power up Action	Support
	Idle Motion	Activate Preset/ Scan/ Tour/ Track if there is no command in the specified period
	Compression	H.265, H.264, MJPEG
	Max. Resolution	1080P(1920×1080)
	Streaming Capability	3 Streams
	Stream / Frame Rate	Stream1: 1920×1080/1280×720 @50/60fps
	Stream / Frame Rate	
		Stream2: D1/VGA/640×360/CIF/QVGA @25/30fps
		Stream3: VGA/CIF/QVGA @25/30fps
	Bit Rate Control	CBR/VBR
	Bit Rate	Stream1: 200kbps~12Mbps
		Stream2: 100kbps~6Mbps
		Stream3: 100kbps~6Mbps
'ideo	Image Enhancement	HLC / BLC / Anti-shake / Defog / WDR (120dB)
	White Balance	Auto/Tungsten/Fluorescent/Daylight/Shadow/Manual
	Gain Control	Auto/Manual
	Noise Reduction	2D/3D DNR
	Smart IR	Support
	Mirror	Support
	Aisle Mode	Support
	Region of Interest	Off / On (8 Zone)
	Motion Detection	Off / On
	Privacy Masking	Off / On (4 Area, Rectangle)
Audio	Compression	G.711, RAW_PCM
	Bit Rate	8kbps(G.711), 16kps(RAW_PCM)
	Protocols:	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTF
	Protocols:	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTF PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP
		PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP
	Interoperability	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI
	Interoperability Streaming Method	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast
lohus-dr	Interoperability Streaming Method Max. User Access	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users
letwork	Interoperability Streaming Method	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS
letwork	Interoperability Streaming Method Max. User Access	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording
letwork	Interoperability Streaming Method Max. User Access Edge Storage	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB
letwork	Interoperability Streaming Method Max. User Access	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording
letwork	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB < E11, Chrome, Firefox
letwork	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, chrome,="" firefox="" sunview<="" td=""></ie11,>
letwork	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, android<="" chrome,="" firefox="" ios,="" sunview="" td=""></ie11,>
	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking	PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, android="" chrome,="" firefox="" ios,="" sunview="" support<="" td=""></ie11,>
	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, android="" chrome,="" double="" fence,="" fences,="" firefox="" ios,="" lei<="" loiter,="" multi="" object="" perimeter,="" single="" sunview="" support="" td="" virtual=""></ie11,>
	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, abnormal="" android="" bad<="" chrome,="" converse,="" double="" fence,="" fences,="" firefox="" illegal="" ios,="" le="" loiter,="" multi="" object="" parking,="" perimeter,="" removed,="" signal="" single="" speed,="" sunview="" support="" td="" virtual=""></ie11,>
	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, (10="" 1="" 100="" abnormal="" android="" bad="" base-t)="" chrome,="" connector<="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" illegal="" ios,="" le="" loiter,="" multi="" object="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" sunview="" support="" td="" virtual=""></ie11,>
	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB «IE11, Chrome, Firefox SunView IOS, Android Support Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Le Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad 1 Ethernet (10/100 Base-T) RJ-45 Connector 1ch Input, 1ch Output
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB < E11, Chrome, Firefox SunView IOS, Android Support Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Le Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad 1 Ethernet (10/100 Base-T) RJ-45 Connector 1 ch Input, 1ch Output 7 ch Input, 2ch Output
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB «IE11, Chrome, Firefox SunView IOS, Android Support Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Le Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad 1 Ethernet (10/100 Base-T) RJ-45 Connector 1ch Input, 1ch Output
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, (10="" 1="" 100="" 1ch="" 2ch="" 7ch="" abnormal="" android="" bad="" base-t)="" chrome,="" connector="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" illegal="" input,="" ios,="" le="" loiter,="" multi="" object="" output="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" sunview="" support="" support<="" td="" virtual=""></ie11,>
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ieii, (10="" 1="" 100="" 1ch="" 2ch="" 7ch="" abnormal="" android="" bad="" base-t)="" chrome,="" connector="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" illegal="" input,="" ios,="" lo="" loiter,="" multi="" object="" output="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" sunview="" support="" support<="" td="" virtual=""></ieii,>
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB < E11, Chrome, Firefox SunView IOS, Android Support Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object LoObject Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad 1 Ethernet (10/100 Base-T) RJ-45 Connector 1ch Input, 1ch Output 7ch Input, 2ch Output Support Support Support Yes (Built-in)
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, (10="" (adapter="" (built-in)="" 1="" 100="" 1ch="" 7ch="" abnormal="" ac24v="" android="" bad="" base-t)="" ch="" chrome,="" connector="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" hi-poe="" illegal="" input,="" ios,="" le="" loiter,="" multi="" object="" optional)<="" output="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" sunview="" support="" td="" virtual="" yes=""></ie11,>
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply Power Consumption	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, (10="" (adapter="" (built-in)="" 1="" 100="" 1ch="" 2ch="" 40w<="" 7ch="" abnormal="" ac24v="" android="" bad="" base-t)="" chrome,="" connector="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" hi-poe="" illegal="" input,="" ios,="" le="" less="" loiter,="" multi="" object="" optional)="" output="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" sunview="" support="" td="" than="" virtual="" yes=""></ie11,>
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, (-40°f="" (10="" (adapter="" (built-in)="" -40°c="" 1="" 100="" 140="" 1ch="" 2ch="" 40w="" 60°c="" 7ch="" abnormal="" ac24v="" android="" bad="" base-t)="" chrome,="" connector="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" hi-poe="" illegal="" input,="" ios,="" less="" lo="" loiter,="" multi="" object="" optional)="" output="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" starting="" sunview="" support="" td="" temperature:="" than="" virtual="" yes="" ~="" °f)<=""></ie11,>
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply Power Consumption	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, (10="" (adapter="" (built-in)="" 1="" 100="" 1ch="" 2ch="" 40w<="" 7ch="" abnormal="" ac24v="" android="" bad="" base-t)="" chrome,="" connector="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" hi-poe="" illegal="" input,="" ios,="" le="" less="" loiter,="" multi="" object="" optional)="" output="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" sunview="" support="" td="" than="" virtual="" yes=""></ie11,>
ntelligence nterface	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply Power Consumption	ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB «IE11, Chrome, Firefox SunView IOS, Android Support Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Le Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad 1 Ethernet (10/100 Base-T) RJ-45 Connector 1ch Input, 1ch Output 7ch Input, 2ch Output Support Support Support Yes (Built-in) AC24V/Hi-PC (Adapter optional) Less than 40W Starting Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply Power Consumption Operating Temperature Operating Humidity	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB < E11, Chrome, Firefox SunView IOS, Android Support Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Le Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad 1 Ethernet (10/100 Base-T) RJ-45 Connector 1ch Input, 1ch Output 7ch Input, 2ch Output Support Support Support Support Support Support AC24V/Hi-POE (Adapter optional) Less than 40W Starting Temperature: -40°C ~ 60°C (-40°F ~ 140 °F) Working Temperature: -55°C ~ 60°C (-67°F ~ 140 °F) Less than 90% RH
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply Power Consumption Operating Temperature Operating Humidity Ingress Protection	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB <ie11, (10="" 1="" 100="" 1ch="" 2ch="" 7ch="" abnormal="" android="" bad="" base-t)="" chrome,="" connector="" converse,="" double="" ethernet="" fence,="" fences,="" firefox="" illegal="" input,="" ios,="" le="" loiter,="" multi="" object="" output="" parking,="" perimeter,="" removed,="" rj-45="" signal="" single="" speed,="" sunview="" suppor<="" support="" td="" virtual=""></ie11,>
ntelligence	Interoperability Streaming Method Max. User Access Edge Storage Web Viewer Management Software Smart Phone Auto Tracking IVS Ethernet Audio Alarm RS485 CVBS Output Reset Button Power Supply Power Consumption Operating Temperature Operating Humidity	PPPOE, SMTP, DNS, UPnP, FTP, ARP, SNMP ONVIF, SDK, CGI Unicast 10 Users NAS Local PC for instant recording Micro SD card 128GB < E11, Chrome, Firefox SunView IOS, Android Support Perimeter, Single Virtual Fence, Double Virtual Fences, Loiter, Multi Loiter, Object Le Object Removed, Abnormal Speed, Converse, Illegal Parking, Signal Bad 1 Ethernet (10/100 Base-T) RJ-45 Connector 1ch Input, 1ch Output 7ch Input, 2ch Output Support Support Support Support Support Support AC24V/Hi-POE (Adapter optional) Less than 40W Starting Temperature: -40°C ~ 60°C (-40°F ~ 140 °F) Working Temperature: -55°C ~ 60°C (-67°F ~ 140 °F) Less than 90% RH

DIMENSIONS

All measurements are in mm.



ORDER CODE

 CP-HSD230-IP2M Concept Pro 2MP IP 30x Zoom High

OTHER PRODUCTS IN THE RANGE

Concept Pro Lite 5MP IP 12X Zoom High Speed Dome CP-HSD212-IP5M

Concept Pro 3MP IP 30x Zoom CP-HSD230-IP3M

High Speed Dome

 CP-HSD210-AHD2M Concept Pro 2MP AHD 10x Zoom High Speed Dome

 CP-HSD220-AHD2M Concept Pro 2MP AHD 20x Zoom

High Speed Dome

 CP-HSD233-AHD2M Concept Pro 2MP AHD 33x Zoom High Speed Dome

RECOMMENDED ACCESSORIES

• CP-HSDB2-PM Concept Pro Pendant Mount CP-HSDB2-JB Concept Pro Junction Box • CP-HSDB2-CM Concept Pro Corner Mount CP-HSDB2-P Concept Pro Pole Mount CP-HSDB2-WM Concept Pro Wall Mount



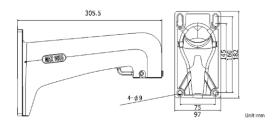
CP-HSD230-IP2M

Concept Pro 2MP IP 30x Zoom High Speed Dome



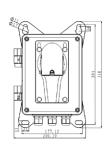
ACCESSORIES

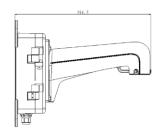
CP-HSDB2-WM
 Concept Pro Wall Bracket (included)





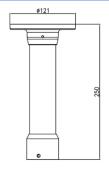
•CP-HSDB2-JB
Concept Pro Junction Box

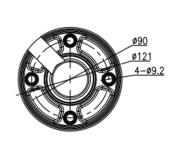






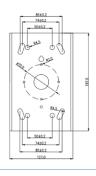
◆CP-HSDB2-PM Concept Pro Pendant Mount

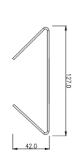






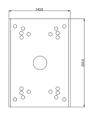
•CP-HSDB2-P Concept Pro Pole Mount

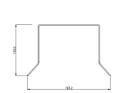






•CP-HSDB2-CM
Concept Pro Corner Mount







•CP-HSDB2-SNConcept Pro Swan Neck

