

IDP1230FS-S5

2MP IR Eyeball Network Camera





Functions

Smart (H.265+ & H.264+)

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even the most unforgiving environments.

Environmental

Cameras operate in extreme temperature environments, rated for use in temperatures from -30 $^{\circ}$ C to +60 $^{\circ}$ C (-22 $^{\circ}$ F to +140 $^{\circ}$ F) with 95 $^{\circ}$ humidity.

Image Flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.



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Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Camera						
Image Sensor	1/2.7" 2Megapix	el Progresive CMO	OS			
Effective Pixels	1920(H) x1080(V)					
RAM/ROM	256MB/32MB					
Scanning System	Progressive					
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s					
	0.08 Lux/F2.0 (Color)					
Minimum Illumination	0.04 Lux/F2.0 (Black&White)					
	0 Lux/F2.0 (Black&White ,IR on)					
S/N Ratio	More than 50dB					
IR Distance	Distance Up to 30m(98ft)					
IR On/Off Control	Auto/ Manual					
IR LEDs	12					
Pan/Tilt/Rotation Range	Horizontal:0° ~360° ;Vertical:0° ~90° ;Rotation:0° ~360°					
Lens						
Lens Type	Fixed-Focal					
Mount Type	Board-in					
Focal Length	2.8 mm					
Max. Aperture	F2.0					
Angle of View	H:104°, V:55°					
Focus Control	Fixed Aperture					
Close Focus Distance	0.6 m					
DORI Distance	Lens	Detect	Observe	Recognize	Identify	
	2.8 mm	40m (131ft)	16m (52ft)	8m (26ft)	4m (13ft)	
Video			, (, ,		(- 7	
Compression	H.265/H.264H/MJPEG(Sub Stream)					
Smart Codec	Support H.265+/H.264+					
Streaming Capability	2 Streams					
Resolution	1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/D1(704×576/704×480)/					
	VGA(640×480)/CIF(352×288/352×240)					
Frame Rate	Main Stream: 1080P(1 ~ 25/30fps)					
	Sub Stream: D1(1 ~ 25/30fps)					
Bit Rate Control	CBR/VBR					
Bit Rate	H.265: 12K ~ 6400Kbps					
	H.264: 32K ~ 10240Kbps					
Day/Night	Auto(ICR) / Color / B/W					
BLC Mode	BLC / HLC / DWDR					
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual					
Gain Control	Auto/Manual					
Noise Reduction	3D DNR					
	Off / On (4 Zone, Rectangle)					
Motion Detection		. Rectangle)				
Motion Detection	Off / On (4 Zone,					
Region of Interest	Off / On (4 Zone, Off / On (4 Zone)					
Region of Interest Electronic Image	Off / On (4 Zone) Off / On (4 Zone) Support					
Region of Interest Electronic Image Smart IR	Off / On (4 Zone, Off / On (4 Zone, Support Support					
Region of Interest Electronic Image	Off / On (4 Zone) Off / On (4 Zone) Support)				



IDP1230FS-S5



Privacy Masking Off / On (4 Area, Rectangle) Audio Compression N/A Network Ethernet RJ-45 (10/100Base-T) Protocol HTTP; HTTPS; TCP; ARP; RTSP; RTP; RTCP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; IEEE 802.1x; Multicast; ICMP; IGMP; TLS Interoperability ONVIF Profile S&G, API Streaming Method Unicast / Multicast Max. User Access 10 Users / 20 Users Edge Storage NAS, Local PC for Instant Recording Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS Mobile Phone IOS; Android Interface V/A Video Interface N/A Audio Interface N/A R5485 N/A Alarm N/A Electrical Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption < 5.5W	Video			
Audio N/A Compression N/A Network Ethernet Ethernet RJ-45 (10/100Base-T) Protocol HTTP; HTTPs; TCP; ARP; RTSP; RTCP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; Bonjour; IEEE 802.1x; Multicast; ICMP; IGMP; TLS Interoperability ONVIP Profile 5&G, API Streaming Method Unicast / Multicast Max. User Access 10 Users / 20 Users Edge Storage NAS, Local PC for Instant Recording Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS Mobile Phone IOS; Android Interface N/A Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption < 5.5W	Mirror	Off / On		
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Protocol IPv4/v6; QoS; UPnP; NTP; Bonjour; IEEE 802.1x; Multicast; ICMP; IGMP; TLS	Ethernet	RJ-45 (10/100Base-T)		
IPv4/v6; QoS; UPnP; NTP; Bonjour; IEEE 802.1x; Multicast; ICMP; IGMP; TLS Interoperability	Protocol	HTTP; HTTPs; TCP; ARP; RTSP; RTP; RTCP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE;		
Streaming Method Unicast / Multicast Max. User Access 10 Users / 20 Users Edge Storage NAS, Local PC for Instant Recording Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS Mobile Phone IOS; Android Interface W/A Video Interface N/A Audio Interface N/A Audio Interface N/A Alarm N/A Electrical Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption < 5.5W	FIUIUCUI	IPv4/v6; QoS; UPnP; NTP; Bonjour; IEEE 802.1x; Multicast; ICMP; IGMP; TLS		
Max. User Access 10 Users / 20 Users Edge Storage NAS, Local PC for Instant Recording Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS Mobile Phone IOS; Android Interface V/A Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical Power Supply Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption < 5.5W	Interoperability	ONVIF Profile S&G, API		
Edge Storage NAS, Local PC for Instant Recording Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS Mobile Phone IOS; Android Interface Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption < 5.5W Environmental Operating Conditions -30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RH Strorage Conditions -30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RH Ingress Protection IP67 Vandal Resistance N/A Construction Casing Metal+Plastic Dimensions Ф108mm×84.9mm(4.25"x3.15") Net Weight Nobles Smart PSC, Dasfaria Smart PSS, DSS, DMSS Smart PSS, DSS, DMS Smart PSS, DMS Smart PSS, DSS, DMS Smart PSS, DMS Smart PSS Sm	Streaming Method	Unicast / Multicast		
Web ViewerIE, Chrome, Firefox, SafariManagement SoftwareSmart PSS, DSS, DMSSMobile PhoneIOS; AndroidInterfaceVideo InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalPower SupplyDC12V, PoE (IEEE802.3af)(Class 0)Power Consumption< 5.5W	Max. User Access	10 Users / 20 Users		
Management Software Smart PSS, DSS, DMSS Mobile Phone IOS; Android Interface V/deo Interface Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption < 5.5W	Edge Storage	NAS, Local PC for Instant Recording		
Mobile Phone IOS; Android Interface V/A Video Interface N/A Audio Interface N/A RS485 N/A Alarm N/A Electrical Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption < 5.5W	Web Viewer	IE, Chrome, Firefox, Safari		
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Video InterfaceN/AAudio InterfaceN/ARS485N/AAlarmN/AElectricalPower SupplyDC12V, PoE (IEEE802.3af)(Class 0)Power Consumption< 5.5W	Mobile Phone	IOS; Android		
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RS485 N/A N/A Alarm N/A Electrical Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption $< 5.5W$ Environmental Operating Conditions $-30^{\circ}\text{C to } +60^{\circ}\text{C } (-22^{\circ}\text{F to } +140^{\circ}\text{F})/\text{Less than } \le 95^{\circ}\text{RH}$ Strorage Conditions $-30^{\circ}\text{C to } +60^{\circ}\text{C } (-22^{\circ}\text{F to } +140^{\circ}\text{F})/\text{Less than } \le 95^{\circ}\text{RH}$ Ingress Protection IP67 Vandal Resistance N/A Construction Casing Metal+Plastic Dimensions $0.23 \text{ kg } (0.511\text{b})$	Video Interface	·		
AlarmN/AElectricalPower SupplyDC12V, PoE (IEEE802.3af)(Class 0)Power Consumption< 5.5WEnvironmentalOperating Conditions-30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RHStrorage Conditions-30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RHIngress ProtectionIP67Vandal ResistanceN/AConstructionCasingMetal+PlasticDimensionsΦ108mm×84.9mm(4.25"x3.15")Net Weight0.23 kg (0.51lb)		N/A		
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Power Supply DC12V, PoE (IEEE802.3af)(Class 0) Power Consumption $< 5.5W$ Environmental Operating Conditions -30° C to $+60^{\circ}$ C (-22° F to $+140^{\circ}$ F)/Less than $\le 95\%$ RH Strorage Conditions -30° C to $+60^{\circ}$ C (-22° F to $+140^{\circ}$ F)/Less than $\le 95\%$ RH Ingress Protection IP67 Vandal Resistance N/A Construction Casing Metal+Plastic Dimensions $\Phi 108 \text{mm} \times 84.9 \text{mm} (4.25'' \times 3.15'')$ Net Weight $0.23 \text{ kg} (0.51 \text{lb})$	Alarm	N/A		
Power Consumption < 5.5W Environmental Operating Conditions -30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RH Strorage Conditions -30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RH Ingress Protection IP67 Vandal Resistance N/A Construction Casing Metal+Plastic Dimensions Φ 108mm×84.9mm(4.25"x3.15") Net Weight 0.23 kg (0.51lb)	Electrical			
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Operating Conditions -30° C to $+60^{\circ}$ C (-22° F to $+140^{\circ}$ F)/Less than ≤ 95%RHStrorage Conditions -30° C to $+60^{\circ}$ C (-22° F to $+140^{\circ}$ F)/Less than ≤ 95%RHIngress ProtectionIP67Vandal ResistanceN/AConstructionCasingMetal+PlasticDimensionsΦ108mm×84.9mm(4.25"x3.15")Net Weight0.23 kg (0.51lb)	Power Consumption	< 5.5W		
Strorage Conditions -30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RH Ingress Protection IP67 Vandal Resistance N/A Construction Casing Metal+Plastic Dimensions Φ108mm×84.9mm(4.25"x3.15") Net Weight 0.23 kg (0.51lb)	Environmental			
Ingress Protection IP67 Vandal Resistance N/A Construction Casing Metal+Plastic Dimensions Φ108mm×84.9mm(4.25"x3.15") Net Weight 0.23 kg (0.51lb)	Operating Conditions	-30°C to $+60$ °C (-22 °F to $+140$ °F)/Less than ≤ 95%RH		
Vandal Resistance N/A Construction Casing Metal+Plastic Dimensions Ф108mm×84.9mm(4.25"x3.15") Net Weight 0.23 kg (0.51lb)	Strorage Conditions	-30°C to +60°C (-22°F to +140°F)/Less than ≤ 95%RH		
Construction Casing Metal+Plastic Dimensions Φ108mm×84.9mm(4.25"x3.15") Net Weight 0.23 kg (0.51lb)	Ingress Protection	IP67		
Casing Metal+Plastic Dimensions Φ108mm×84.9mm(4.25"x3.15") Net Weight 0.23 kg (0.51lb)	Vandal Resistance	N/A		
Dimensions Φ108mm×84.9mm(4.25"x3.15") Net Weight 0.23 kg (0.51lb)	Construction			
Net Weight 0.23 kg (0.51lb)	Casing	Metal+Plastic		
	Dimensions	Φ108mm×84.9mm(4.25"x3.15")		
Gross Weight 0.38 kg (0.85lb)	Net Weight	0.23 kg (0.51lb)		
	Gross Weight	0.38 kg (0.85lb)		

Dimensions (mm)



