

UN-HFW5241E-ZE-AI

2 MP Pro Al Vari-focal IR Dome Al Network Camera



- 1/2.7" 2Megapixel progressive scan CMOS
- 1920x1080 @25fps/30fps
- H.264&H.265 coding, high compression ration
- WDR(120 dB), Day/Night(ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS (DSS/PSS) & DMSS
- 2.7 mm 13.5 mm motorized lens, with Corridor Mode
- 2/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 40 m
- Micro SD memory, IP67,IK10













Featuresand Functions

System Overview

Pro Al series contains Face Detection, Perimeter Protection and People Counting functions. Powered by deep-learning Artificial Intelligence algorithms, significantly improved accuracy. Meanwhile, the series features starlight and smart IR technology. This series fully protected from dust and water, certified to IP67 and vandal resistant to IK10 standard.

Functions

Face Detection

Face Detection is a software application that automatically captures faces from within a digital image or a video frame from a video source. United cameras use advanced deep learning algorithms and are trained by a large number of face data sources, enabling the camera to locate faces quickly and accurately from the video source and capture facial images.

Face Attributes

Through the use of deep learning algorithms to analyze facial images, United cameras can extract six facial attributes from each frame, including Age, Gender, Expression (Jolly/Surprise/Normal/Rage/Sad/Disgusted/Confused/Frightened), Glasses, Mouth Mask, Moustache & Beard. Customers can acquire data of interest via face attributes statistics.

Perimeter Protection

United's Perimeter Protection functions significantly improved accuracy. Perimeter Protection reduces false alarms and decreases pixel count requirements for object detection. Perimeter Protection features custom tripwires based on object type for automation in limited access areas such as pedestrian or vehicle-only zones. This combination of advanced Al analytics and real-time alerts to a desktop or to a mobile client reduces system requirements and resources resulting in greater surveillance system efficiency. Can be distinguished people, cars, and motorcycles (or bicycles) and also can be searching by the three types.

People Counting

People Counting function uses advanced image processing technology to capture depth information from within images. The camera pairs this information with deep learning algorithms to analyze and detect human bodies and track target objects in real time. The camera provides statis tics for separate individuals' entrance and exit with up to 95% counting accuracy.

Metadata

Metadata is feature attribute information extracted from a target object which can be used for data retrieval. Dahua face detection camera can extract six facial attributes and output the metadata for analysis.

ePoE technology

The ePoE technology of United, designed internally, adopts advanced 2D-PAM3 coding modulation from physical layer, and realizes full duplex transmission over 800 meters at the speed of 10Mbps, or 300 meters at the speed of 100Mbps via Cat 5 or coaxial cable media. Besides, it supports PoE and PoC power supply technology which has greatly simplified construction and wiring. United ePoE technology offer a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

Protection(IP67, IK10, wide voltage)

The camera allows for ±30% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rat ing provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67) and impact tests (IK10), the camera is the choice for installation in even the most unforgiving environments.





f '0 100 0 110					
Camera					
Image Sensor		1/2 .7" 2Mega	1/2 .7" 2Megapixel progressive scan CMOS		
Effective Pixels		1920(H) X 108	1920(H) X 1080(H)		
RAM/ROM		1 GB/128 MB	1 GB/128 MB		
Scanning System	n	Progressive			
Electronic Shutt	er Speed	Auto/Manual	l, 1/3 s-1/100	000 s	
Minimum Illumi	nation	0.001Lux (F1.2	2,AGC ON) 0L	ux with (IR on)
IR Distance		Distance up t	o 50 m (164 ft	:)	
IR On/Off Contr	ol	Auto/Manual			
IR LEDs		4			
Lens					
Lens Type		Motorized va	ri-focal		
Mount Type		Board-in	Board-in		
Focal Length		2.7 mm-13.5	2.7 mm-13.5 mm		
Max. Aperture		F1.2	F1.2		
Angle of View			V: 72°–21° (25 V: 55°–16° (26		
Aperture Type		Auto			
Close Focus Dist	tance	0.8 m (2.62 ft)		
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	W	64m(210ft)	26m(85ft)	13m(43ft)	6m(20ft)
	T	212m(696ft)	85m(279ft)	42m(138ft)	21m(69ft)
Pan/Tilt/Rota	tion				
Pan/Tilt/Rotation	on Range	Pan: 0°-360°;	Tilt: 0°-90°; F	totation: 0°–3	60°
Artificial Inte	ligence				
Face Detection		Support face	Support face image capture		
Face Attributes		Gender,Expre Sad, Disguste	ession (Jolly, S	ributes extrac urprise, Norm Frightened), G & Beard	al, Rage,
Perimeter Prote	ection	people), fast		ition of vehicl ing detection ering	
People Counting	g	counting; Sup	T (on/Queueing es independe tion	
General Intel	ligence				
Event Trigger			onnection , IP	impering , Sce address conf	
General Intelligence		Object Abandoned/Missing			
General Intellige					
General Intellige		Yes			
		Yes			

Frame Rate Main Stream: 1920x1080 (1-25/30 fps) Sub Stream: 640x480 (1-25/30 fps) Third Stream: 352x288 (1-25/30 fps) Bit Rate Control CBR/VBR Bit Rate H.264: 32 Kbps-8192 Kbps H.265: 19 Kbps-8192 Kbps H.265: 19 Kbps-8192 Kbps Day/Night Auto(IcR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Noise Reduction 3D DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip 0*/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol :RTMP;SMTP;FTP;STTP;DHCP;DNS;DONS;QoS,UPPP		
Resolution 1080p(1920x1080),13M(1280x960),720p(1280x720),D1 (704x576/704x480),VGA(640x480),CIF(352x288/352x240) Frame Rate Main Stream : 1920x1080 (1-25/30 fps) Bit Rate Control CBR/VBR Bit Rate H 264: 32 Kbps - 8192 Kbps H 264: 32 Kbps - 8192 Kbps Day/Night Auto(ICR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Matural/Street Lamp/Outdoor/Manual Gain Control Auto/Manual Noise Reduction 30 DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Yes Flip 0"909/1807/270* Mirror Off/On Audio	Smart Codec	Yes
Resolution (704x576/704x480),VGA(640x480)CIF(352x288/352x240) Main Stream: 1920x1080 (1-25/30 fps) Frame Rate Sub Stream: 640x480 (1-25/30 fps) Bit Rate Control CBR/VBR Bit Rate H.264: 32 Kbps-8192 Kbps H.265: 19 Kbps-8192 Kbps H.265: 19 Kbps-8192 Kbps Day/Night Auto(ICR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Gain Control Auto/Manual Noise Reduction 3D DNR Motion Detection Off/On (8 Zone) Electronic Image Stabilization (EIS) Yes Smart IR Yes Defog Yes Flip 0*90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet R1-45 (10/100 Base-T) Protocol R7M*P;MTP;FTP;FFTP;DHCP;DNS;DDNS;QoS;UPnP;MTP;MUTCast;CiMP;IGM*P;MS;PPPG;BOZ;1x;SNMI ONIVE (Profiles G/Profile G/Profile T), CGI, Milstone, G	Streaming Capability	3 Streams
Frame Rate Sub Stream: 640x480 (1-25/30 fps) Third Stream: 352x288 (1-25/30 fps) Bit Rate Control CBR/VBR Bit Rate H.264: 32 Kbps-8192 Kbps Day/Night Auto(IcR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Gain Control Auto/Manual Noise Reduction 3D DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip 0'/90'/180'/270' Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol RTMP; NTTP; STTP; DETP; DNS; DDNS; Oos; UPPP; NTTP; NTTP; STTP; DETC; DNS; DDNS; Oos; UPPP; NTTP; NTTP; DETC; DNS; DDNS; Oos; UPPP; NTTP; MILICast; CMP; DMP; PTP; PTP; STP; DETC; DNS; DNS; Oos; UPPP; STP; DNS; DNS; Oos; UPPP; NTTP; DNS; DNS; Oos; UPPP; DNS; DNS; Oos; DNS; Oos; Oos; Oos; Oos; Oos; Oos; Oos; Oos	Resolution	1080p(1920x1080),1.3M(1280x960),720p(1280x720),D1 (704x576/704x480),VGA(640x480)CIF(352x288/352x240)
Third Stream: :640x480 (1-25/30 fps) Third Stream: :352x288 (1-25/30 fps) Bit Rate Control CBR/VBR Bit Rate H.264: 32 Kbps—8192 Kbps Day/Night Auto(ICR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Gain Control Auto/Manual Noise Reduction 3D DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip 0'/90'/180'/270' Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet R.4-45 (10/100 Base-T) Protocol R.771; Marty-ShTP; FTP; SFTP; DHCP; DNS; DDNS; Gos; UPAP, NTP; Multicast; ICMP; IGMP; NFS; PPPOE; 802.1x; SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NaS; FTP; SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software STATE Company of the Spart PSS, DSS, DMSS		Main Stream : 1920x1080 (1-25/30 fps)
Bit Rate Control Bit Rate Bit Rate H.264: 32 Kbps—8192 Kbps H.265: 19 Kbps—8192 Kbps Day/Night Auto(ICR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Gain Control Auto/Manual Noise Reduction 3D DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O'/90'/180'/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QDS;UPAP;NTP;MUlticast;(CMP;IGMP;NES;PPOE;802.1x;SNMI) Interoperability GNNIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer Firefox, Safari (versions newer than IEB), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software	Frame Rate	
Bit Rate H.264: 32 Kbps—8192 Kbps Day/Night Auto(ICR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Gain Control Auto/Manual Noise Reduction 3D DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip 0*/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol	Rit Pate Control	
Bit Rate H.265: 19 Kbps-8192 Kbps Day/Night Auto(ICR)/Color/B/W BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Roise Reduction JD DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O'/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol RTMP/SMTP;FTP;SFTP;DHCP;DNS;DDNS;CloS;UPPP;NTP;MP;ETSP;RTCE,RTMP;SMTP;FTP;SFTP;PDCE;BO2.1x;SNMf Interoperability Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage Nas;FTP;SFTP Micro SD card 256 GB Web Viewer Eirefox, Safari (versions newer than Safari 12) Management Software		
BLC Mode BLC/HLC/WDR (120 dB) White Balance Auto/Natural/Street Lamp/Outdoor/Manual Gain Control Auto/Manual Noise Reduction Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O*/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol Protocol Priyal/Pv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTP;Multicast;ICMP;IGMP;NFS;PPDe;Bol2.1x;SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer Irefox, Safari (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS		H.265: 19 Kbps-8192 Kbps
White Balance Auto/Natural/Street Lamp/Outdoor/Manual Auto/Manual Noise Reduction 3D DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O'/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol RTMP;SMTP;FTP;STTP;DHCP;DNS;DDNS;QoS;UPAP;NTP;MUlticast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Day/Night	Auto(ICR)/Color/B/W
Gain Control Auto/Manual Noise Reduction 3D DNR Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O*/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol Pro	BLC Mode	BLC/HLC/WDR (120 dB)
Noise Reduction Motion Detection Off/On (4 Zone, Rectangle) Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O*90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol IPv4;IPv6;HTTP;HTTP5;TCP;UDP;ARP;RTP;RTSP;RTCP;RTSP;RTCP;RTSP;MTP;MUlticast;ICMP;IGMP;NFS;PPDeE;802.1x;SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IEB), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Motion Detection Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O'/90'/180'/270° Mirror Off/On Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTSP;MTP;Multicast;ICMP;IGMP,NFS;PPPOE;802.1x;SNMf Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer Firefox, Safari (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Gain Control	Auto/Manual
Region of Interest Off/On (8 Zone) Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O*/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol IPv4;IPv6;HTTP;HTTP;TCP;UDP;ARP;RTP;RTSP;RTCF;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPNP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Noise Reduction	3D DNR
Electronic Image Stabilization (EIS) Smart IR Yes Defog Yes Flip O*/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol iPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCF;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPPP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Motion Detection	Off/On (4 Zone, Rectangle)
(EIS) Smart IR Yes Defog Yes Flip O*/90*/180*/270* Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol IPv4;IPv6;HTTP;HTTPs;TCP;UDP;ARP;RTP;RTSP;RTCP; YRTP;STP;DHCP;DMS;DDNS;Qos;UPnP yRTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMF ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Region of Interest	Off/On (8 Zone)
Defog Yes Flip 0°/90°/180°/270° Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol !Pv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCF;RTMP;SMTP;FTP;DHCP;DNS;DDNS;QoS;UPNP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMF Interoperability Only (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS		Yes
Flip 0°/90°/180°/270° Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol ;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPPP;NTP;Multicast; S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer Eirefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Smart IR	Yes
Mirror Off/On Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTSP;RTCP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMM Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Defog	Yes
Privacy Masking Off/On (4 Area, Rectangle) Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol IPv4;IPv6;HTTP;HTTP5;TCP;UDP;ARP;RTP;RTSP;RTCF;RTMP;SMTP;SMTP;SMTP;FTP;DHCP;DMS;DDNS;Qo5;UPPP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMf ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Flip	0°/90°/180°/270°
Audio Compression G.711a, G.711Mu, AAC, G.726, G.723 Network Ethernet RJ-45 (10/100 Base-T) Protocol ;PrM; Py; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS; FTP; SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Mirror	Off/On
Network Ethernet RJ-45 (10/100 Base-T) Protocol ;RTMP;SMTP;FTTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMF Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Privacy Masking	Off/On (4 Area, Rectangle)
Network Ethernet RJ-45 (10/100 Base-T) Protocol IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTSP;RTCP;ITRP;STTP;DHCP;DNS;DDNS;QoS;UPnP ;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMf Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Audio	
Ethernet RJ-45 (10/100 Base-T) IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTSP;RTCP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;Qo5;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMI Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Compression	G.711a, G.711Mu, AAC, G.726, G.723
Protocol IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCF;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPNP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMf ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Network	
Protocol ;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMf Interoperability ONVIF (Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Ethernet	RJ-45 (10/100 Base-T)
Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Protocol	IPv4;IPv6;HTTP;HTTP5;TCP;UDP;ARP;RTP;RTSP;RTCP ;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;Qo5;UPnP ;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMF
Streaming Method Unicast/Multicast Max. User Access 20 Users Edge Storage NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Interoperability	
Max. User Access 20 Users NAS;FTP;SFTP Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Streaming Method	
Micro SD card 256 GB Web Viewer IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) Management Software Smart PSS, DSS, DMSS	Max. User Access	20 Users
Management Software Firefox, Safari (versions newer than Safari 12) Smart PSS, DSS, DMSS	Edge Storage	
Management Software Smart PSS, DSS, DMSS	Web Viewer	
Smart Phone iOS, Android	Management Software	
	Smart Phone	iOS, Android
Certifications Manufacturing by ISO14001-2015, ISO9001:2015 Company	Certifications Manufacturing	g by ISO14001-2015. ISO9001:2015 Company

Product Model I UN-HFW5241E-ZE-AI



Certifications	CE-LVD:EN60950-1 CE-EMC:Electromagnetic Compatibility Directive 2014/30/EU FCC:47 CFR FCC Part 15, Subpart B UL/CUL/NDAA/UL60950-1
Interface	CAN/CSA C22.2 No.60950-1-07
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	2 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC

Ceiling Mount Wall Mount Pole Mount PFA152-E

Electrical

Power Supply	DC 12V (±30%), PoE (802.3af) (Class 0)
Power Consumption	<10.9W

Environmental

Operating Conditions	-30° C to +60° C (-22° F to +140° F) /Less than 95% RH
Storage Conditions	-30° C to +60° C (-22° F to +140° F)
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal, plastic
Dimensions	273.2 mm × 95.0 mm × 95.0 mm (10.76" × 3.74" × 3.74")
Net Weight	1.11 kg (2.44 lb)
Gross Weight	1.51 kg (3.33 lb)

Ordering I	nformation	
Туре	Part Number	Description
5MP camera	UN-HFW5241E- ZE-AI	2 MP Pro Al IR Vari-focal Bullet Network Camera,WDR,PAL
	UN-HFW5241E- ZN-AI	2 MP Pro AI IR Vari-focal Bullet Network Camera,WDR,NTSC
	UN-HFW5241E- ZE-AI	2 MP Pro Al IR Vari-focal Bullet Network Camera,WDR,PAL
	UN-HFW5241E- ZN-AI	2 MP Pro AI IR Vari-focal Bullet Network Camera,WDR,NTSC
Accessories (optional)	PFA152-E	Pole mount

Dimensions (mm[inch])





