

PRO SERIES VPIP-2MIR30X-150-POE-PRO



2MP 30x Starlight IR PTZ Network Camera



Key Features

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 30x optical zoom
- Starlight technology
- H.265 Encoding
- Max. 50/60fps@1080P
- Auto-tracking and IVS
- Support PoE+
- IR distance up to 150m
- IP66

System Overview

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera can provide large monitoring range and great detail. The camera has very excellent low light performance due to adopting the latest starlight technology. The camera is equipped with smooth control, high quality image and good protection, which make it can meet most of the requirements of video surveillance applications.

Functions

Starlight Technology

For challenging low-light applications, Veilux's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Auto-tracking

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually or automatically by defined rules. Once a rule is triggered, the camera can zoom in and track the defined target automatically.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec 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 H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

PFA Technology

PFA technology has innovatively introduced new methods of judgment to ensure the accuracy and predictability of the direction of subject distance adjustment. The result is a set of advanced focusing algorithms. PFA ensures clarity of the image throughout the process of zooming and shortens focus time. The realization of PFA technology substantially improves user experience and increases product value.

Environmental

Veilux® cameras operate in extreme temperature environments, rated for use in temperatures from -40 °C to +70 °C (-40 °F to +158 °F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Protection

This camera suits even the harsh conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Interoperability

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

System Overview

CAMERA	
Image Sensor	1/2.8" STARVIS™ CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	1024M/128M
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/30,000s
Minimum Illumination	Color: 0.005Lux@F1.6; B/W: 0.0005Lux@F1.6; 0Lux@F1.6 (IR on)
S/N Ratio	More than 55dB
IR Distance	Distance up to 150m (492ft)
IR On/Off Control	Auto/Manual
IR LEDs	4
LENS	
Focal Length	4.5mm~135mm
Max. Aperture	F1.6 ~ F4.4
Angle of View	H: 67.8° ~ 2.4°
Optical Zoom	30x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

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DORI DISTANCE			
*Note: The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.			
Detect	Observe	Recognize	Identify
1862m (6109ft)	744m (2441ft)	372m (1220ft)	186m (610ft)
PTZ			
Pan/Tilt Range		Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°	
Manual Control Speed		Pan: 0.1° ~ 300° /s; Tilt: 0.1° ~ 200° /s	
Preset Speed		Pan: 400° /s; Tilt: 300° /s	
Presets		300	
PTZ Mode		5 Pattern, 8 Tour, Auto Pan ,Auto Scan	
Speed Setup		Human-oriented focal Length/ speed adaptation	
Power up Action		Auto restore to previous PTZ and lens status after power failure	
Idle Motion		Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period	
Protocol		DH-SD	
INTELLIGENCE			
Event Trigger		Motion detection, Video tampering , Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly	
Auto Tracking		Support	
IVS		Tripwire, Intrusion, Abandoned/Missing	
Advanced Intelligent Functions		Face Detection, Heat Map	
VIDEO			
Compression		H.265+/H.265/H.264+/H.264	
Streaming Capability		3 Streams	
Resolution		1080P(1920x1080)/720P(1280x720)/ D1(704x576/704x480)/CIF(352x288/352x240)	
Frame Rate		Main stream: 1080P/1.3M/ 720P(1 ~ 50/60fps)	
		Sub stream 1: D1/CIF(1 ~ 25/30fps)	
		Sub stream 2: 1080P/1.3M/720P/D1/CIF (1 ~ 25/30fps)	
Bit Rate Control		CBR/VBR	
Bit Rate		H.265/H.264: 448K ~ 8192Kbps	
Day/Night		Auto(ICR) / Color / B/W	
Backlight Compensation		BLC / HLC / WDR (120dB)	
White Balance		Auto, ATW, Indoor, Outdoor, Manual	
Gain Control		Auto / Manual	
Noise Reduction		Ultra DNR (2D/3D)	
Motion Detection		Support	
Region of Interest		Support	
Electronic Image Stabilization (EIS)		Support	
Defog		Support	
Digital Zoom		16x	
Flip		180°	
Privacy Masking		Up to 24 areas	

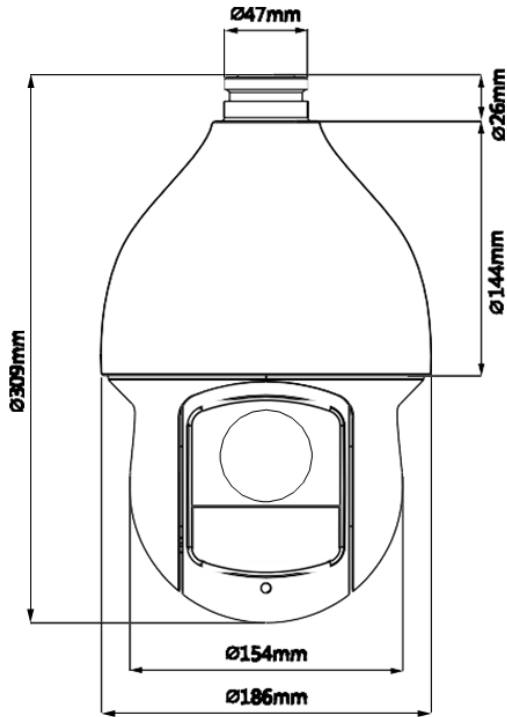
AUDIO	
Compression	G.711a/G.711Mu/AAC/G.722 / G.726/G.729/ MPEG2-L2
NETWORK	
Ethernet	RJ-45 (10Base-T/100Base-TX)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x
Interoperability	ONVIF Profile S&G, API
Streaming Method	Unicast / Multicast
Max. User Access	20 users
Edge Storage	NAS (Network Attached Storage), Local PC for instant recording, Micro SD card 256GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, DMSS
Smart Phone	IOS, Android
CERTIFICATIONS	
Certifications	CE, FCC
INTERFACE	
Video Interface	N/A
RS485	N/A
Audio I/O	1/1
Alarm I/O	2/1
GENERAL	
Power Supply	AC24V/3A(±10%), PoE+ (802.3at)
Power Consumption	13W, 23W (IR on)
Operating Temperature	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 95% R
Operating Humidity	Less than 95% RH
Ingress Protection	IP66
Vandal Resistance	N/A
Casing	Metal
Dimensions	Diam 186(mm) x 309(mm)
Net Weight	3.9kg(8.60lb)
Gross Weight	7.2kg (15.87lb)

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Dimensions



Accessories

Included:



Wall Mount



Mount Adapter



Power Adapter

Optional :



Power Box



Ceiling Mount



Junction Box



Pole Mount



Corner Mount



Parapet Mount

Ceiling Mount	Junction Mount
Power Box Mount	Pole Mount
Corner Mount	Parapet Mount