

IP-AD59225U-HNI

2MP 25x Starlight IR PTZ Network Camera



- · 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 25x 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, our 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

The 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. TVS 6KV lightning protection rating provides lightning protection, surge protection and voltage transient protection.

Interoperability

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

Technical Specification

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	4.8mm~120mm			
Max. Aperture	F1.6 ~ F4.4			
Angle of View	H: 62.8° ~ 2.6°			
Optical Zoom	25x			
Focus Control	Auto/Manual			
Close Focus Distance	100mm~ 1000mm			

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
1613m(5292ft)	646m(2119ft)		323m(1060ft)	161m(528ft)
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		

IVSTipwire, Intrusion, Abandoned/MissingIdvanced Intelligent FunctionsFace Detection, Heat MapValueKace Detection, Heat MapValueStreamsForoming CapabilityStreamsResolutionStreamsMain stream: 1080P/1320/1280-2700//CFG52-288/352-2400Prame RateSub Stream1: 101/CFL(1 = 25/30fps)Bit Rate ControlCRIVBRBit Rate ControlCRIVBRDay/NightAutc(CR) / Color / B/WBacklight CompensationBLC / HLC / WDR (1208)Bit RateSub Stream2: 1080P/1.3M/720P/D1/CF (1*25/30fps)Bit RateCRIVBRDay/NightAutc(CR) / Color / B/WBacklight CompensationBLC / HLC / WDR (1208)Notion DetectionSupportRegion of InterestSupportBitpaSupportFording StabilizationSupportFording StabilizationSupport </th <th>Auto Tracking</th> <th>Support</th>	Auto Tracking	Support			
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Euge Storage instant recording, Micro SD card 256GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, DMSS	Max. User Access	20 users			
Management Software Smart PSS, DSS, DMSS	Edge Storage				
-	Web Viewer	IE, Chrome, Firefox, Safari			
Smart Phone IOS, Android	Management Software	Smart PSS, DSS, DMSS			
	Smart Phone	IOS, Android			