PLE5P6W5-P/S/A/AI

5MP Al Starlight License Plate Camera



System Overview

This license plate camera is capable of 5MP (2592 x 1944) video output at 20fps. Built to be used in a variety of environments, thanks to its' IK10 impact rating and IP67 weather rating, you can trust that it will hold up indoors or out. With the latest Starlight™ technology, this camera requires a measly .003 Lux@F1.3 that stays constant throughout its' entire zoom range. The IR (infrared) provides you with lighting up to 98 feet away. To add to its capabilities in areas with little or no light, this camera uses WDR (Wide Dynamic Range) to enhance the dark and bright portions of an image to properly balance the illumination. With a variety of deep-learning based AI functions, this camera makes sure that the video being captured is exactly what you are looking for and easy to find on playback.

Features

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. Cameras can 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.

Facial Attributes

Through the use of deep learning algorithms to analyze facial images, this camera can extract six facial attributes from each frame, including Age, Gender, Expression, Glasses, Facial Masks and Facial Hair. Customers can acquire data of interest via face attribute statistics.

Perimeter Protection

Perimeter Protection functions significantly improve 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 AI analytics and real-time alerts to a desktop or a mobile client reduces system requirements as well as resources, resulting in greater surveillance system efficiency.

Starlight™ Technology

The starlight standard sensor is just like the retina of your eyes which is sensitive to its ambient light, and the image quality is determined by how much light the sensor could use, together with the camera lens. The starlight camera technology uses larger and highly sensitive sensors, wider aperture and reduces the shutter speed to collect enough light for sharp monochrome/color images, even when human eyes couldn't identify a thing. So the starlight camera can see right through the darkness, even when it is challenging for your eyes.

- · 1/2.7" 5Megapixel progressive scan CMOS
- · H.265 & H.264 triple-stream encoding
- · 20 fps@2592 x 1944, 50/60 fps@1080P(1920 x 1080)
- · WDR (120 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS (DSS/PSS)
 DMSS
- · 7 mm-35 mm motorized lens
- \cdot 2/1 Alarm in/out, 1/1 audio in/out
- · Max. IR LEDs Length 120 m
- · Micro SD memory, IP67, IK10















People Counting

This feature counts the number of people that go in a specified region and the number of people that come out. This is perfect for businesses, banks and anybody who wants to monitor the amount of people coming and going.

ePoE Technology

The ePoE technology 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. It supports PoE and PoC power supply technology which has greatly simplified construction and wiring. ePoE technology offers 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.

Video Metadata

Metadata is a feature that extracts attribute information from a target object which then can be used for data retrieval. Facial detection cameras can extract six facial attributes and output the metadata for analysis.

Protection

This camera allows for $\pm 30\%$ 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 immer-sion tests (IP67) and impact tests (IK10), the camera is the choice for installation in even the most unforgiving environments.



Technical Sp	ecification					Smart Codec	Yes	
Camera			Streaming Capability	3 Streams				
Image Sensor		1/2.7" 5Megapixel progressive scan CMOS				Resolution	2592 × 1944/2688 × 1520/2560 × 1440/2304 × 1296/1080P (1920 × 1080)/1.3M (1280 × 960)/720P (1280 × 720)/D1 (704 × 576/704 × 480)/VGA (640 × 480)/CIF (352 × 288/352 × 240)	
Effective Pixels		2592 (H) × 1944 (V)						
RAM/ROM		1 GB/128 MB				Frame Rate	Main Stream: 2592 × 1944 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps) 1920 × 1080 (1 fps–50/60 fps)	
Scanning System		Progressive						
Electronic Shutter Speed		Auto/Manual, 1/3 s–1/100000 s					Sub Stream: D1 (1 fps–20/30 fps)	
S/N Ratio		> 56 dB					D1 (1 fps-50 fps)	
Minimum Illumin	nation	0.003 Lux@F1.	3			Bit Rate Control	Third Stream: 1080P (1 fps–17 fps) CBR/VBR	
IR Distance		Distance up to	120 m (394 ft)				H.264: 32 Kbps–8192 Kbps	
IR On/Off Contro	ol	Auto/Manual				Bit Rate	H.265: 19 Kbps-8192 Kbps	
IR LEDs		4				Day/Night	Auto (ICR)/Color/B/W	
Lens						BLC Mode	BLC/HLC/WDR (120 dB)	
Lens Type		Motorized vari-focal				White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
Mount Type		Board-in				Gain Control	Auto/Manual	
Focal Length		7 mm-35 mm				Noise Reduction	3D DNR	
Max. Aperture		F1.3				Motion Detection	Off/On (4 Zone, Rectangle)	
Angle of View		H: 31°-9°, V: 23	•			Region of Interest	Off/On (4 Zone)	
Aperture Type		H: 32°-9°, V: 18°-5° (2688 × 1520) Auto (HALL)				Electronic Image Stabilization (EIS)	Yes	
Close Focus Dista	ance	0.4 m-2.0 m (1.31 ft-6.56 ft)				Smart IR	Yes	
	Lens	Detect	Observe	Recognize	Identify	Defog	Yes	
DORI Distance	W	190m(623ft)	76m(249ft)	38m(125ft)	19m(62ft)	Flip	0°/90°/180°/270°	
	Т	620m(2034ft)	248m(814ft)	124m(407ft)	62m(203ft)	Mirror	Off/On	
Pan/Tilt/Rota	tion					Privacy Masking	Off/On (4 Area, Rectangle)	
Pan/Tilt/Rotation		Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°				Audio		
Artificial Intelligence		Pail: 0 –300 , Filt. 0 –30 , Notation: 0 –300				Compression	G.711a, G.711Mu, AAC, G.726, G.723	
Face Detection		Support face image capture				Network		
		Support 6 kind		utes extraction	: Age,	Ethernet	RJ-45 (10/100 Base-T)	
Face Attributes		Gender, Expression (Jolly, Surprise, Normal, Rage, Sad, Disgusted, Confused, Frightened), Glasses, Mouth Mask, Moustache & Beard				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;SNMI	
Perimeter Protection		Tripwire, intrusion (Recognition of vehicle and people), fast moving, loitering detection, parking detection and people gathering				Interoperability	ONVIF(Profile S/Profile G/Profile T), CGI, Milstone, Genetec, P2P	
People Counting		Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas				Streaming Method	Unicast/Multicast	
General Intelligence		independent detection				Max. User Access	20 Users	
General Intelligence Event Trigger		Motion detection, Video tampering , Scene changing, Network disconnection , IP address conflict, Illegal				Edge Storage	NAS;FTP;SFTP Micro SD card 256 GB	
_,		Access,Storage anomaly				Web Viewer	IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12)	
General Intelligence		Object Abandoned/Missing				Management Software	Smart PSS, DSS, DMSS	
Heat Map		Yes				Smart Phone	iOS, Android	
Video	Video		H.265,H.264,H.264B,H.264H,			Certifications		
Compression		MJPEG (sub stream)						

Interface

Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	2 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC

Electrical

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

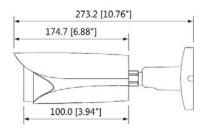
Environmental

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

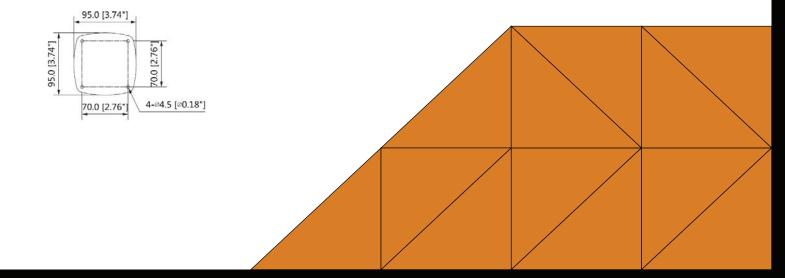
Construction

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)

Dimensions (mm/inch)







Accessories

Ceiling Mount	Wall Mount	Pole Mount
		LEW-152E