

## 5 Inch 4K 20X POE++ WDR IP PTZ Dome Camera

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**LOYALTY-SECU H.265+ 4K 8MP Outdoor PTZ PoE+ IP Camera Security Speed Dome, Pan Tilt 20X Optical Zoom with 4.7-94mm Motorized Lens, 492ft IR Night Vision, IP66 Waterproof**

## LY-AN5-820P

# 1.Selling Points

H.265+ & POE PTZ camera: the 8MP PTZ security camera outdoor 4k, the intelligent H.265+ video compression standard provides twice the data compression rate of the same video than H.264, it can reduce storage space by 70% and delivery us ultra-full HD video streams. POE++ (IEEE802.3bt) which ensures the POE transmission distance over 150 meters, eliminating the need to install a separate power cable, as it is a high-power PTZ. After turning on the infrared light at night, the power is usually 30W-60W. If the power supply is insufficient, it will cause continuous restarting. We suggest use a POE Switch which each port supports up to 30W at least.

PTZ IP Camera With 20X Optical Zoom: LOYALTY-SECU outdoor POE Pan-tilt-zoom camera with cruise 360°pan, 90°tilt, Powerful 20X optical zoom 4.7 mm-94 mm Lens, enables you to zoom in to see more details of far-away objects without impairing image quality, or zoom out to get a wider and larger view. You can control the 360°horizontal and 90°vertical pan and tilt remotely via phone/tablet/PC which offers you no blind area vision.

8MP HD Night Vision Up To 150M (492ft): This POE camera with 4K resolution provides an extra clear picture both in daylight and at night. The H.265 video compression technology not only saves storage cost, but also ensures smooth video playback. Advanced night vision with 6pcs high performance infrared array LED lights extend the viewing distance to492ft. All video captured by this camera will be presented to you via stunning videos.

High Compatibly with 3rd NVRs & Free Phone APP & PC Client: Full compatible with 3rd NVRs and VMSs with ONVIF protocols. Feel free to download the "Danale" APP on your phone and the PTZ camera can send notifications to your phone if you turn on the motion detect mode, which makes it very useful when you are away from the site. Also, through the Windows PC client, you can access all the camera settings and save motion detection videos or 24/7 videos to your computer.

## 2. Brief Introduction



**5inch 8MP 20X IR POE++ PTZ IP Dome Camera Outdoor**

The High Speed PTZ Camera adopts the advanced anjvision solution, it's not only bringing ultra-HD video streams, but also delivers reliable operation, a long & stable operating life, and a wonderful using experience.

The 20X IP PTZ Dome Camera can be used indoor and outdoor area to monitor the large area, with the Pan Tilt Zoom feature, one PTZ Camera can replace more than 5pcs conventional fixed lens IP camera which with constant angle, money & labor saving greatly.

## 3. Features

- i. Ultra 4K High Definition 3840(H)x2160(V)
- ii. Support H.265+/H.265/H.264, Main stream/Sub stream/Third stream Technology, ensure the stability and high performance.
- iii. SigmaStar SCC328Q+Sony IMX415 Solution, high performance encoding scheme with 4K CMOS image sensor for clear and dynamic image.
- iv. 20X Optical zoom, 4.7- 94mm lens, 6pcs array LEDs + 4pcs Laser lights, IR distance 150M (492ft), 120dB WDR
- v. POE++ (IEEE802.3bt), POE transmission distance over 150 meters
- vi. Two way audio solution, built-in microphone and speaker
- vii. Support 5A: Auto white balance, Auto focus, Auto exposure, Auto noise reduction, Auto contrast enhancement.
- viii. Powerful PTZ function, Horizontal Range is 0° ~360° continuously, Vertical Range is -10° ~90° , Horizontal Speed is 0.05° ~240° /s, Vertical Speed is 0.05° ~100° /s and the Max

Speed is 240° /s.

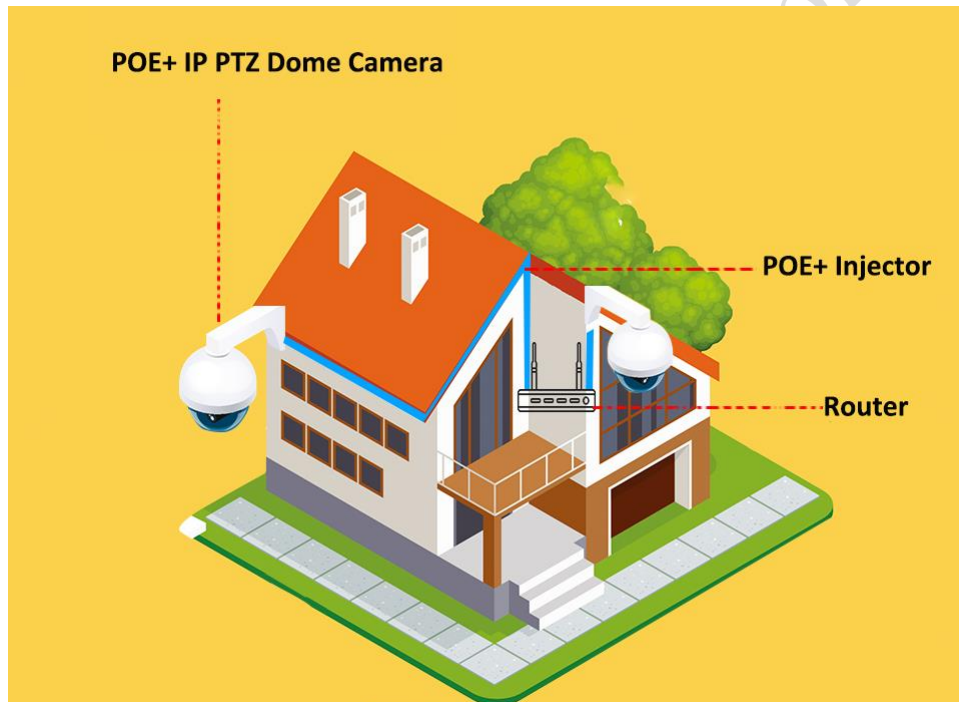
- ix. All metal housing, water-proof grade: IP66, high & low temperature resistant, weather-proof. Built-in surge and lightning protection device, effectively preventing 6000V instantaneous current
- x. Full compatible with ONVIF protocols.
- xi. Free APP: Danale

## 4. Other Features

### 4.1. Power over Ethernet Plus

PTZ camera built-in POE++(IEEE802.3bt) 48W, comes with a standard 65w super POE injector, and the POE transmission distance up to 150M.

12VDC 4A (if using the optional power adapter). Higher voltage will damage the unit.



### 4.2. Get Notified with Smartphone & Dual Audio Solution

Remotely watch live view & playback and control PTZ/Preset through APP Danale (iOS & Android) with motion detection snapshot stored in cloud server (Cloud platform registration required to enable push notification). Meanwhile, PTZ IP camera comes with built-in mic & speaker allows users to speak with anyone on the camera's end through smartphone app with warning decal for compliance purpose.



### 4.3. Protect Your Property at Night

Your property will be covered by the superior night vision of LOYALTY-SECU 4K PTZ camera with 6pcs array IR Array LEDs+4pcs Laser LEDs. The infrared illumination distance can reach up to 150M (492ft) depending on the scene.



### 4.4. Smart Automatically Patrol

Customized Presets and Curies - Monitor and patrol in any direction you cared!

Patrol: Up to 4 patrol groups;

Preset: 10 presets per patrol group

Patrol time: Adjustable



#### 4.5. Waterproof IP66 & 6000V Thunder-proof

The security outdoor camera is equipped with an IP66 rated weatherproof metal shell and supports **6000V Thunder-proof**, designed to operate the security PTZ camera even in some real extreme weather conditions.



#### 4.6. Intelligent WDR Function& Real Color

With true WDR technology, it can produce images of good clarity even under varying light

conditions by using different shutter speeds to allow more light in some darker areas of the image and less light in others brighter. The sensor's exposure to light-receiving from the exterior environment is controlled to achieve a compensated vision.



## 5. What's Included?

Manual, Camera, Wall Bracket (default), a 65W PoE injector and installation screws.

## 6. Specification

Camera	
Model	LY-AN5-820P
Image Sensor	1/2.8" CMOS
Minimum Illumination	Color: 0.01Lux, B/W: 0.01Lux ,0 Lux with IR
3D NDR	Support
WDR	120dB
Electronic Shutter	AUTO
Day Night Mode	AUTO ICR Color to B/W
Focal Length:	20X Optical Zoom, 4.7-94mm Lens (F1.6 to F2.7)
Zoom Speed	Approx.3s(Optical Wide~Tele)
Angle of View:	55.4-2.9 degree (Wide-Tele)

Resolution	3840(H)x2160(V)
Main Stream	3840*2160@20fps, 3072*2048@30fps, 2592x1944@30fps
Sub Stream	702*480/D1/VGA/640*360/CIF@30fps
Video Compression	H.265+/H.265/H.264
Network protocol	HTTP, DHCP,RTSP,NTP,P2P
Interface protocol	ONVIF 2.4
PTZ Control	
IR Distance	150M
Horizontal Range	0°~360° continuously
Vertical Range	-10°~90°
Horizontal Speed	0.05°~240°/s
Vertical Speed	0.05°~100°/s
Max Speed	240°/S
Preset	256
Patrol scan	4groups (10 preset for each)
L/R Scan	1group
Horizontal Scan	1group
Power-off memory	Support
PARK Action	Watch position/ Area Scan /Horizontal 360°scan/ Cruise
Watch position	Support
Wide angle speed limit	Focus/ speed automatic matching function
POE Function	
POE supply voltage	DC48V
POE supply PIN	1,2(+), 3,6(-) / 4,5(+),7,8(-) Auto adaptation
General	
Power	POE injector
Consumption	<30W
work environment	Temperature: -20~60°C; humidity<90%
Protection level	IP66 waterproof, 6000V lightning protection
GW	3.5KG



## 7.Product Dimension:

