

4-inch Mini 20X 1080P 4in1 AHD PTZ Camera

1. Selling Points	2
2. Brief Introduction.....	3
3. Features.....	3
4. Other Features	4
4.1. Protect Your Property at Night.....	4
4.2. Smart Automatically Patrol	4
4.3. Waterproof IP66 & 6000V Thunder-proof	5
4.4. How to Choose the Suitable DVR for connecting PTZ camera?	5
5. What's Included?.....	6
6. Specification.....	6
7. Product Dimension.....	8

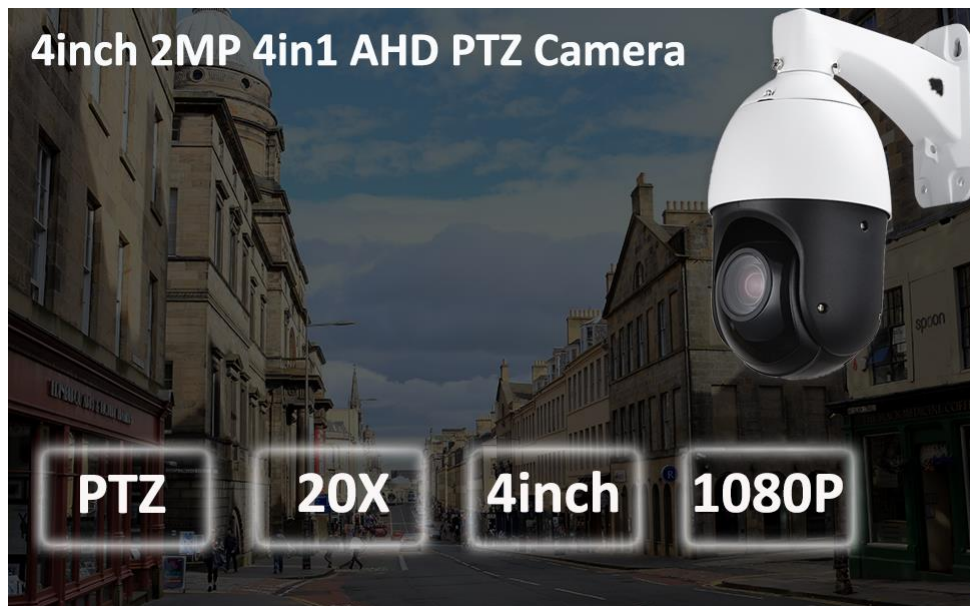
**4inch 1080P 4in1 AHD Auto-Cruise Coaxial Wired High Speed Dome
CCTV PTZ Security Camera 20X Optical Zoom, Pattern Scan, 100M(328ft)
Night Vision IP66 Waterproof**

LY-A4-220

1.Selling Points

- i. **Mini 4inch 1080P Pan Tilt Zoom Camera:** Compact size 4-inch mini long range 4in1 AHD PTZ camera.
- ii. **4in1 Video interface output:** AHD/ HDCVI/ HDTV/ CVBS selectable, AHD default setting.
- iii. **High Pan Tilt Zoom Capacity without blind spots left:** 100°/s max speed; PTZ range: Horizontal: 0.1°~100°/S, Vertical: 0.1°~100°/S; 4.7 to 94mm (F1.6 to F2.7) 20X Optical zoom.
- iv. **High Performance PTZ function:** Using the high accuracy stepping motor, work with the high performance motor driver, ensure the PTZ camera work under a stable, accurate, and less vibration condition.
- v. **PTZ Control by Coaxial (plug-and-play) or RS485:** RS485 (+/-) or coaxial cable to connect, real time transmission with lossless video
- vi. **Night Vision Day/Night Switch:** Intelligent Auto Switch, IR-Cut True Night Vision up to 100M(328ft). It is able to see up to 100M(328ft) away from the camera with a switchable low beam/high beam LED set at night vision in response to different levels of zoom.
- vii. **IP66 Waterproof and High& low Temperature Resistant:** 4 inch IP66 Waterproof all metal housing construction provides stable performance both indoor and outdoor (Warehouse, Home, Office, Supermarket, Parking, Farm, Villa, Museum etc.)

2. Brief Introduction



4-inch Mini 20X 1080P 4in1 AHD PTZ Camera

LOYALTY-SECU Mini 4 Inch 4in1 AHD PTZ Camera not only completely solves the short distance troubles when comparing with traditional 2.5 or 3 inch ptz camera with 50m IR distance only, but also minimizes the heavy shipping cost for overseas clients when comparing with the 6 or 8 inch ptz cameras.

The 4 Inch 1080P AHD Infrared PTZ Camera integrates high speed pan tilt zoom ability, perfect dynamic monitoring image display, brings an excellent security experience.

3. Features

- i. HD Over Coax Analog 1080P AHD 4 In 1 PTZ Camera
- ii. 1920x1080P resolution, Nextchip2441+Sony307 solution, 20x optical zoom can be displayed as 36X, Lens: 4.7-94mm
- iii. High speed pan tilt zoom with 360 degrees endless horizontal rotation, -15 degrees upward tilt and 90 degrees downward movement
- iv. 4pcs ceramic package array LEDs+ 2pcs laser LEDs, auto-switch to long/middle/close distance focus, long range infrared LED night vision up to 100M(328ft)
- v. Support 3 Groups lighting control, Infrared LEDs and focal length Auto-Matching Algorithm, adopting the Long-Mid-Near 3 group lighting design.
- vi. Support guard tour setting, power up action, idle motion, two point scan, camera track scan, 4pcs cruise scan, continuous 360° rotation etc..
- vii. For Coaxial control, XM DVR recommended; for RS485 control, any brand DVR with Pelco-D

- protocol recommended.
- viii. Industrial-level IP66 waterproof shell with an operating temperature rating at $-20\sim 60^{\circ}\text{C}$ to tackle extreme weathers.

4. Other Features

4.1. Protect Your Property at Night

Your property will be covered by the superior night vision of LOYALTY-SECU PTZ camera with 4 pieces of IR LED + 2pcs laser LEDs. The infrared illumination distance can reach up to 100M(328ft) depending on the scene.

Excellent Night Vision



4.2. Smart Automatically Patrol

Support preset cruise points, time and speed-patrol in the monitoring zone you cared!

Patrol: Up to 4 patrol groups;

Preset: 10 presets per patrol group

Patrol time: Adjustable

Intelligent Automatically Patrol



4.3. Waterproof IP66 & 4000V Thunder-proof

The security outdoor camera is equipped with an IP66 rated weatherproof metal shell and supports **4000V Thunder-proof**, designed to operate the security PTZ camera even in some real extreme weather conditions.



4.4. How to Choose the Suitable DVR for connecting PTZ camera?

Due to LOYALTY-SECU PTZ can be controlled by by Coaxial (plug-and-play) or RS485. Thus, for coaxial control, XM DVR recommended; for RS485 control, any brand DVR with Pelco-D protocol

recommended.

Video Recording Options

1. For Coaxial control



XM Brand DVR recommended.

2. For RS485 control



Any brand DVR with Pelco-D protocol recommended.

5. What's Included?

Manual, Camera, Wall Bracket (default), a 12V2A Power Adapter and Installation Screws

6. Specification

Camera	
Model	LY-A4-220
Image Sensor	Sony307
DSP	Nextchip2441
Analog Definition	1920 X 1080P
Video System	PAL(50Hz) /NTSC(60Hz)
Minimum Illumination	Color: 0.1Lux; B/W: 0.01Lux
Video Output	AHD-H(1Vp-p 75Ω)
Noise-Signal Ratio	≥50DB
Lens	4.7 to 94mm (F1.6 to F2.7) 20X Optical zoom

Zoom Speed	Approx.4s (Optical Wide-Tele)
Angle of View:	55.4°-2.9° (Wide-Tele)
PTZ Control	
IR Distance	100m
Horizontal Range	-15°~360° continuously
Vertical Range	-15°~90°
Horizontal Speed	0.05°~100°/s
Vertical Speed	0.05°~100°/s
Max Speed	100°/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
Analog Video Output	1.0Vpp/75Ω,NTSC or PAL,BNC Interface
Control Interface	Support: 1. Coax cable control 2.RS485
General	
Power Supply	DC12V/2A
Consumption	<15W
Work Environment	Temperature : -20~60°C; humidity<90%
Protection Level	IP66 waterproof,4000V lightning protection
GW	2.5KG

7.Product Dimension

