4-inch Mini 20X 5MP 4in1 AHD PTZ Camera

4inch Full HD 5MP 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-A4-520

1.Selling Points

i. **Mini 4inch 5MP Pan Tilt Zoom Camera:** Compact size 4-inch mini long range 4in1 AHD PTZ camera.

ii. **4in1 Video interface output:** 5MP AHD/HDTVI or 4MP AHD/ HDCVI/ HDTVI 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 5MP 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 full HD 5MP 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 5MP AHD 4 In 1 PTZ Camera

ii.   2592 x 1944P resolution, Nextchip2477+OV05A10 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 -20～60℃ 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.

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

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.
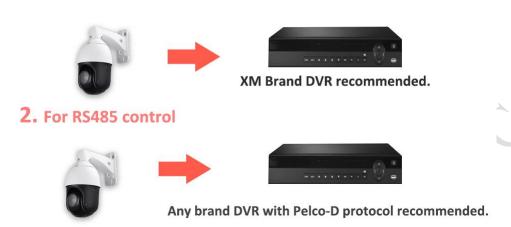

4.4. How to Choose the suitable DVR for connecting PTZ camera?

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-A4-520
Image Sensor	OV05A10
DSP	Nextchip2477
Analog Definition	2592 X 1944P
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℃; humidity＜90%
Protection Level	IP66 waterproof,4000V lightning protection
GW	2.5KG
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)
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7.Product Dimension