

QUICK GUIDE

Colour Vision

Analog Dome Camera

V2.5

Overview

Analog cameras offer several advantages — they are cost-effective, especially for large-scale installations, and easy to set up. However, one of the significant drawbacks of earlier analog cameras was their limited image quality — a critical factor in today's surveillance needs. Over the years, technological advancements have addressed this issue with the introduction of HD resolution in analog CCTV systems. This was a major breakthrough, as high-quality imaging was previously available only through IP systems, which were considerably more expensive.

Botx AI Technologies

BotX is a company that specializes in the design, manufacture, and supply of video surveillance systems. These systems are designed to suit individual client requirements such as your own. As a surveillance company we understand the special security needs of our clients and strive to provide them with the highest quality products and services to suit these needs.

Dear Client,

Thank you for choosing the BotX AHD Camera!

We truly appreciate your trust and support. BotX is committed to delivering high-quality security products to customers worldwide. Our goal is to become a leading brand in the surveillance field by continuously developing smarter, more user-friendly solutions.

We put our customers first — from selecting premium materials to strict quality inspections, every step is carefully managed. Our products are equipped with the latest chips to ensure a seamless user experience.

Your feedback means a lot to us. It helps us improve and allows us to serve you better. If you're satisfied, please take a minute to leave a review on Google — it helps others and motivates us to keep improving.

On behalf of the entire BotX team, thank you again. If you need any assistance, feel free to reach out.

Wishing you health and happiness — and we hope you continue to choose BotX!

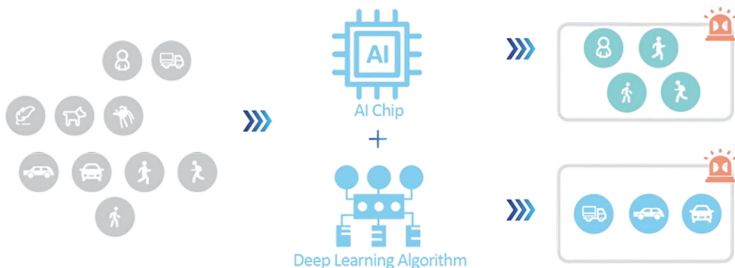
– The BotX Team

5MP ANALOG DOME CAMERA - 20MTR.



Botx provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- Excellent noise reduction effect
- 24/7 colorful imaging
- Scene-adaptive WDR
- Focus on Person and Vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- Anti-corrosion design, providing reliability and longevity
- Water and dust resistant (IP67)



Datasheet

Image

Frame Rate	3K@20fps, 4MP@25fps/30fps, 1080p@25fps/30fps
Wide Dynamic Range (WDR)	=130 dB
White Light	Auto/Off
Image Parameters Switch	STD/HIGH-SAT/HIGHLIGHT
AGC	Yes
Day/Night Mode	Color
White Balance	Auto/Outdoor/Global/Manual
Image Enhancement	WDR,BLC,HLC,Global,HLS
Privacy Mask	4 programmable privacy masks
Noise Reduction	3D DNR/2D DNR
Image Settings	Brightness,Contrast,Mirror,Smart Light,Anti-Banding

Interface

Video Output	1 HD analog output
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Event

Motion Detection	4 programmable motion areas
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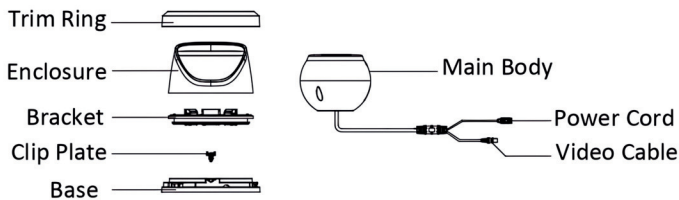
Camera

Image Sensor	1/1.8" CMOS
Signal System	PAL/NTSC
Max. Resolution	2960 (H) × 1665 (V)
Min. Illumination	0.0003 Lux @ (F1.0, AGC ON), 0 Lux with white light
Shutter Time	PAL: 1/25 s to 1/50,000 s;NTSC: 1/30 s to 1/50,000 s
Light Alarm	Solid Light Alarm (White Light)
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 180°, Rotation: 0° to 360°

Lens

Lens Type	2.8 mm, 3.6 mm fixed focal lens
Focal Length & FOV	3.6 mm, horizontal FOV: 95°, vertical FOV: 50°, diagonal FOV: 115° 2.8 mm, horizontal FOV: 112°, vertical FOV: 60°, diagonal FOV: 133°
Lens Mount	M16

Overview



Installation

Before you start

- Make sure that the device in the package is in good condition and all the assembly parts are included.
- Make sure that all the related equipment is power-off during the installation.
- Check the specification of the products for the installation environment.
- Check whether the power supply is matched with your power output to avoid damage.
- Make sure the wall is strong enough to withstand three times the weight of the camera and the mount.
- If the product does not function properly, contact your dealer or the nearest service center. DO NOT disassemble the camera for repair or maintenance by yourself.

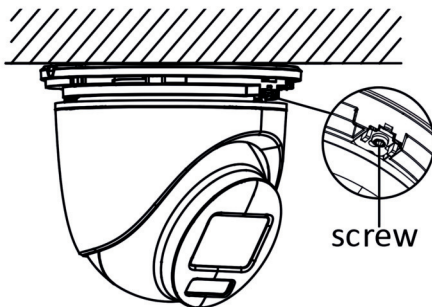
Ceiling/Wall Mounting Without Junction Box

Before you start:

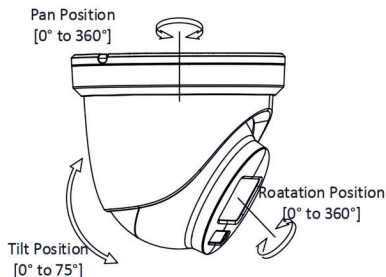
- Ceiling mounting and wall mounting are similar. Following steps take ceiling mounting as an example.

Steps:

1. Paste the drill template (supplied) to the place where you want to install the camera.
2. (Optional) For cement ceiling, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.
3. (Optional) Drill the cable hole, when the cables are routed through the ceiling.
4. Align the screw holes in the bracket to the ceiling, and secure the camera with three PA4 × 25-SUS screws (supplied).



5. Connect the power cord and video cable.
6. Power on the camera to adjust the view angle according to the figure below.
7. Tighten the screws to lock the positions.



Ceiling/Wall Mounting with Junction Box

Before you start:

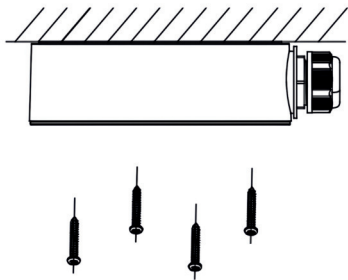
- You need to purchase a junction box in advance.
- Ceiling mounting and wall mounting are similar.

Following steps take wall mounting as an example.

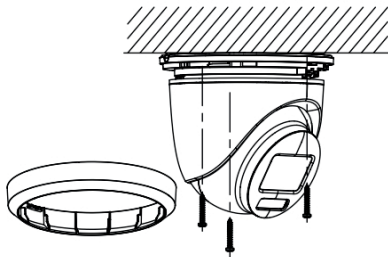
Steps:

1. Paste the drill template for junction box to the place where you want to install the camera.
2. (Optional) For cement wall, drill the screw holes with a 5.5 mm drill and insert the supplied wall plugs.

3. (Optional) Drill the cable hole, when the cables are routed through the wall.
4. Take apart the junction box.
5. Align the screw holes of the camera with those on the junction box cover. Attach the camera to the junction box cover with three PM4 × 10-SUS screws.
6. Secure the junction box body on the wall with three PA4 × 25 screws (supplied).



7. Route the cables through the bottom cable hole or side cable hole of the junction box and connect the cables.
8. Fix the junction box cover on its body with three PM3 × 16 L6 screws that come with the junction box.
9. Repeat steps 6 to 7 of 2.1.1 Ceiling/Wall Mounting Without Junction Box to finish the installation.

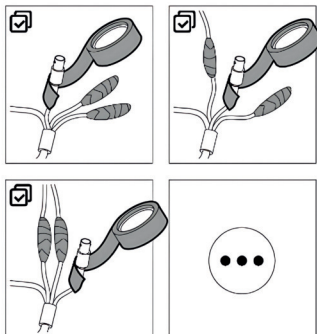


Waterproof Measures

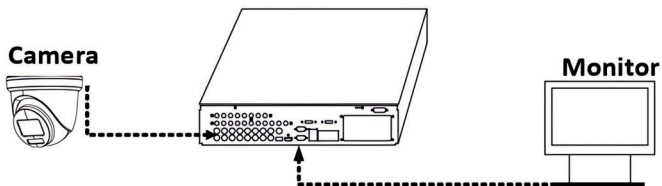
If the camera is installed outdoor, you should use the waterproof tapes to waterproof the cables. Otherwise the cables might get wet or a short circuit occurs.

Note:

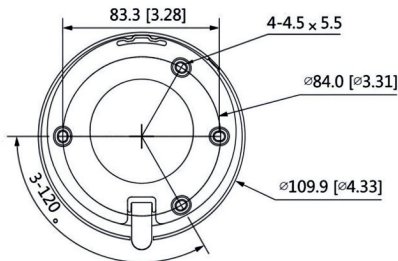
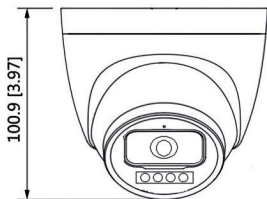
Waterproof tapes should be purchased separately. After routing and connecting the cables, use the waterproof tapes to wrap up the cables. Connected cables and spare cables both should be wrapped up as the figures below.



Connection Example



Dimensions







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