

Quick Reference Guide

Setting up IP Cameras for Emergency Exit Monitoring



Camera Specifications




- **Type: IP Camera.** Video feed should be undistorted (as seen by naked eye) with normal aspect ratio. Following cameras cannot be used
 - Fish eyed camera
 - Dome camera
- Supports Power over Ethernet (PoE) (Preferred)*
- Motion Sensing (Optional): To be configured by Customer if videos need to be stored locally when motion is detected.
- Camera Configuration (to be set up by Customer IT using the camera manufacturer provided companion tools):
 - Resolution - 480p (preferred)
 - Frames per sec – 30 frames per second
 - Channels
 - Set one channel for obstruction detection. This will be the feed consumed by Proxcel.
 - The channels' configuration must not be changed once the emergency exit solution has been deployed and is live.
 - (Optional) A separate channel can be configured for security feed, if required.

* If POE is not available, the camera can be connected over WiFi. In such a case, Customer will be responsible to ensure sufficient bandwidth is available



Example Cameras

The following cameras have been tested in the Customer environment and meet the requirements of the Proxce solution

Manufacturer	Model No.	Image
Amcrest	IP3M-943B	
Honeywell	HBW2GR1	
Honeywell	HBD3PR1	

**If any other IP camera models are intended to be used for Emergency Exit monitoring with Proxce, please send the exact camera model and specification to support@proxce.com and/or support@oloid.ai
You can also create tickets here: <https://oloid.freshdesk.com/support/home>

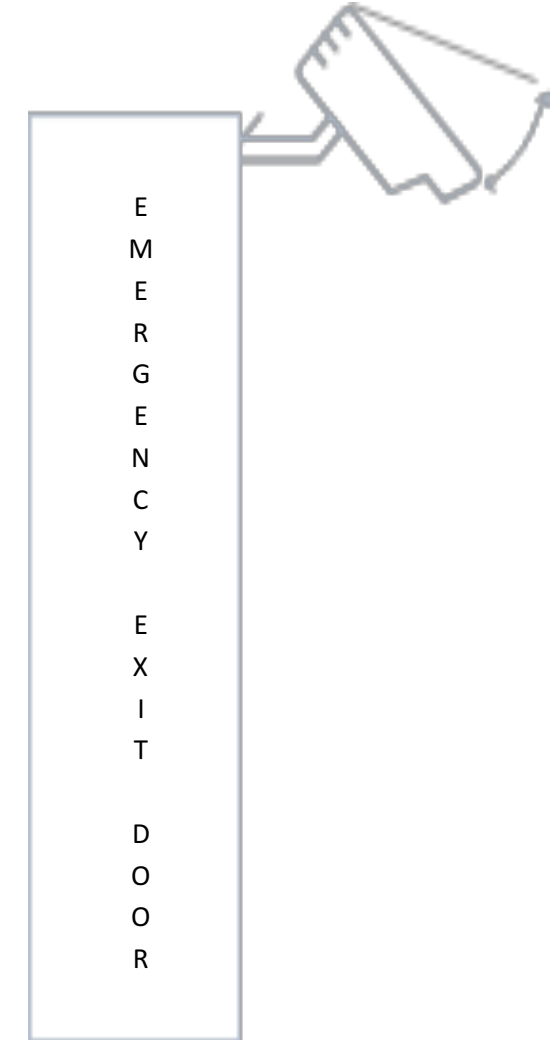
Camera Onboarding

Tilt camera so that the camera's field of view covers the entire emergency exit pathway

Position & Orientation:

- Camera can be mounted in two ways
 - Facing away from the emergency exit door
 - Facing toward the emergency exit door
 - Which ever position you choose, tilt the camera such that the camera's view covers the entire emergency exit pathway.
 - Ensure that the camera captures no more than 20 ft of the emergency exit pathway starting from the emergency door.
 - For emergency exit pathways longer that 20 ft, an additional camera may need to be mounted such that both cameras cover the entire pathway.
 - Before screwing in the mount of the camera, ensure the camera has a clear, unblocked field of view of the desired monitored area.
- **Power:** PoE or uninterrupted power supply
 - **Connectivity:**
 - Connect the camera through the PoE. (preferable)
 - If WiFi is used instead of PoE, ensure the camera location gets a good WiFi signal
 - **Network:** Assign static IP to the camera.

** Additionally, please follow the installation directions provided by the manufacturer.



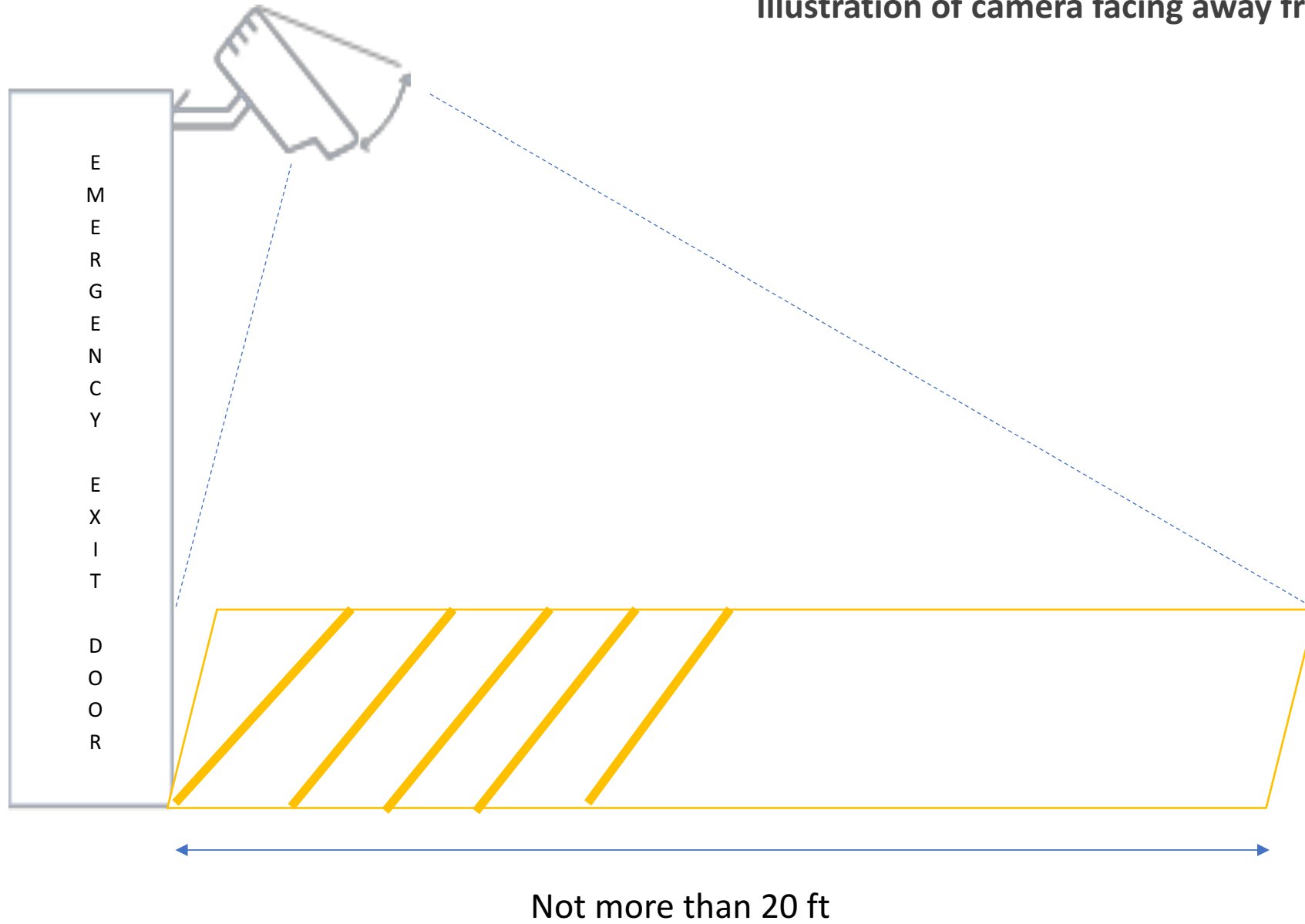
Position 1: Camera facing away from the emergency exit door

CONSIDERATIONS

- Mount the camera right above the Emergency exit door.
- In mounting position 1, there are chances that a section of the emergency exit pathway immediately next to the door may get omitted in the camera view (shadow area)
- Confirm using the manufacturer provided web view or camera app (available in the installation directions provided by the camera manufacturer) to ensure that the entire emergency exit path to be monitored is captured by the camera.



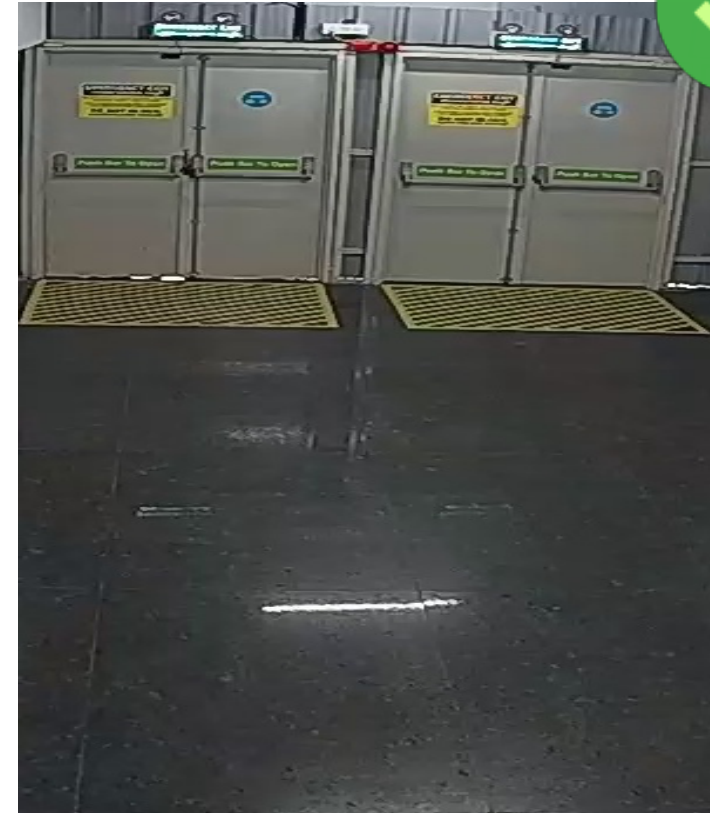
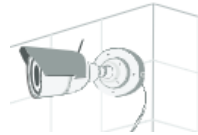
Illustration of camera facing away from the emergency exit door



Position 2: Camera facing toward the emergency exit door

CONSIDERATIONS

- Cameras mounted facing the emergency exit can be mounted in the following two ways
 - Wall Mounted
 - Ceiling mounted
- The camera can be mounted from the ceiling or wall and tilted such that the camera captures up to 20 ft of the emergency exit pathway. That is, mount the camera no more than 20 ft away from the emergency exit door.
- The camera should be installed not more than 10ft above the emergency exit pathway to be monitored



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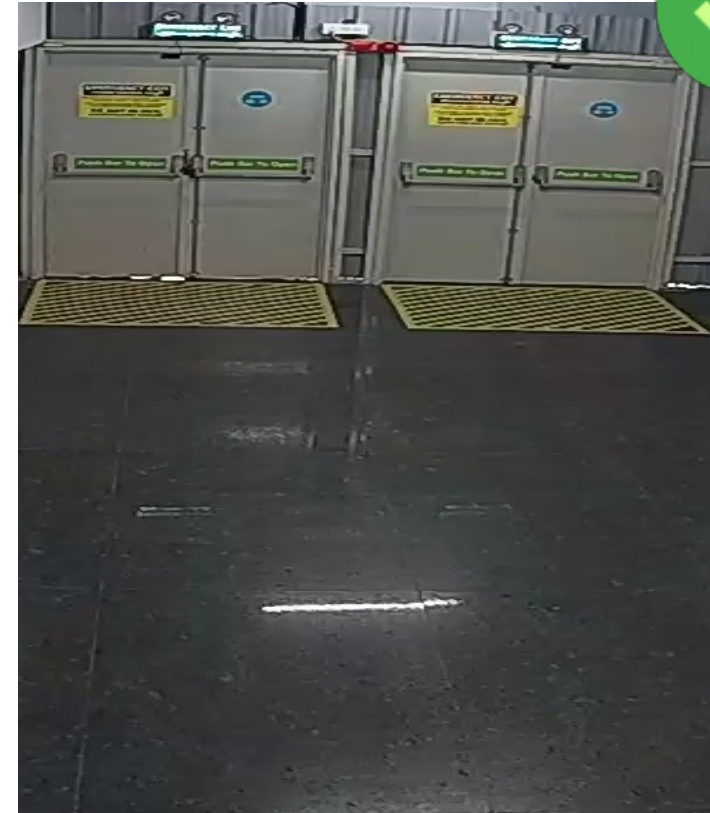
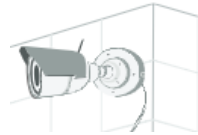
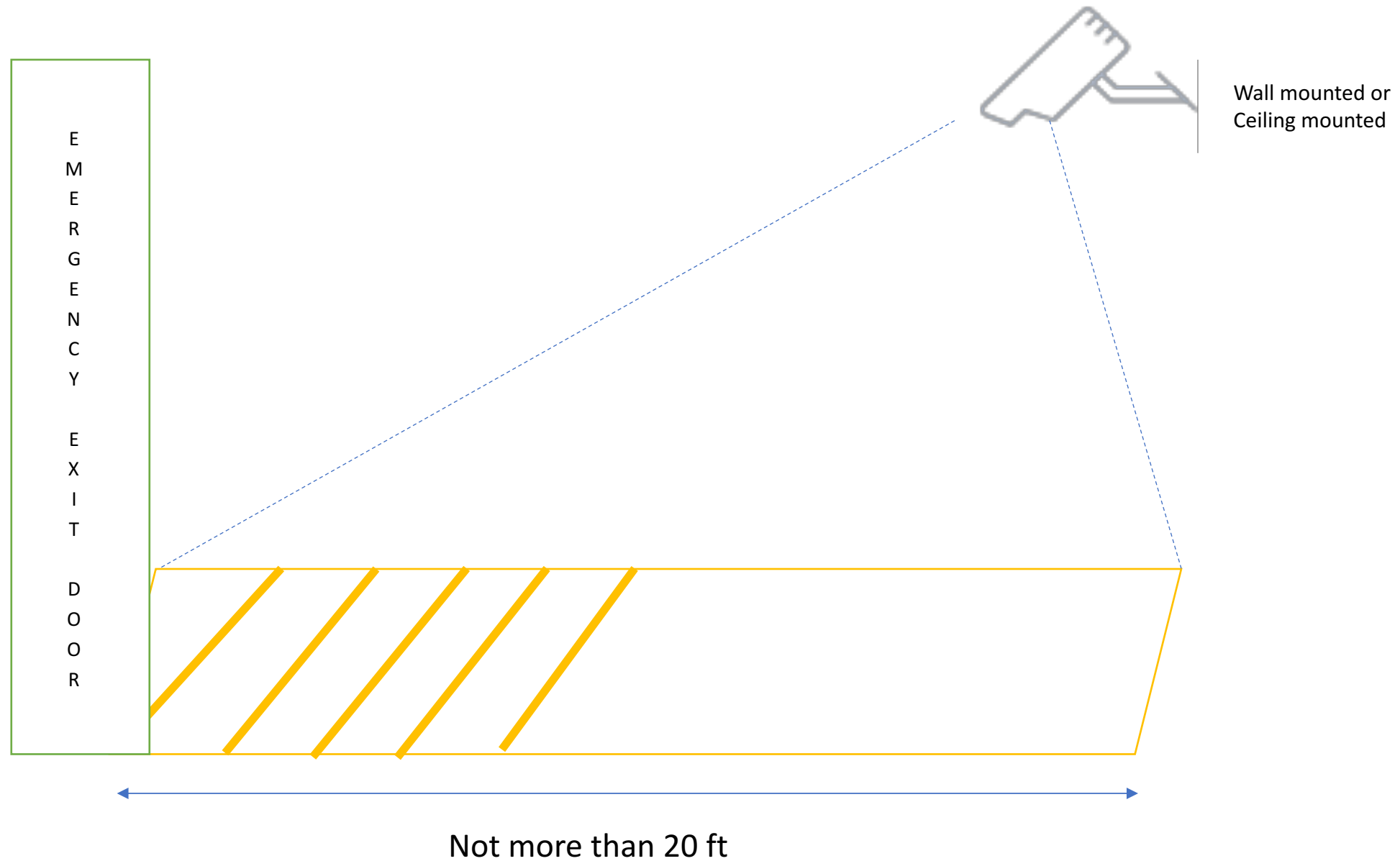


Illustration of camera facing toward the emergency exit door



Incorrect way of mounting the camera

Too far from the Emergency Exit being monitored.
Should be mounted no more than 20ft from the Exit door!

INCORRECT CAMERA MOUNTING POSITION

- The camera shown in the picture to the right has been mounted more than 20 ft away from the emergency exit door.
- This should be avoided.

