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DIGITAL DOOR VIEWER™



Digital Door Viewer™

Installation Guide

Tools needed

- #2 Philips screwdriver
- Small level
- Power drill
- 5/8" drill bit
- 1/8" drill bit
- Philips driver bit
- Tape measure
- Pencil

The Digital Door Viewer™ installation package includes

- Camera
- LCD door mount
- 4 door mount screws
- LCD cover

AA Batteries required

8 "AA" size batteries to be supplied by the installer

Install the camera

Step 1 - drilling the door

If replacing a peephole

Using a flat blade screwdriver carefully remove the existing peephole. Use a screwdriver in the slots milled into the interior bezel of the peephole to begin loosening the peephole.

Unscrew the interior bezel from the tube and remove both parts of the peephole from the door.

Check the diameter of existing hole in the door. If the hole is less than 5/8" in diameter it must be enlarged. Use the existing hole as a pilot hole. From inside the door, use a 5/8" drill bit to bore a hole, centred on the pilot hole, about halfway through the door. Go to the outside of the door and finish drilling from the outside in.

If NOT replacing a peephole

Find a height that is comfortable for most users and mark the horizontal centre of the outside of the door at that height. Generally the height of the Door Viewer camera should be between 5 feet and 5.5 feet above floor level. The camera will be installed at this point on the door.

Use a small drill bit (1/8" to 3/16") to drill a pilot hole completely through the door at the mark. From inside the door use a 5/8" drill bit to bore a hole, centred on the pilot hole, about halfway through the door. Go to the outside of the door and finish drilling from the outside in.

Boring the hole from each side reduces the chance of splintering or deforming the door when the bit exits. Clear the hole of any chips or other debris.

Step 2 - Insert the camera

When the hole is complete locate the camera in the Door Viewer package and remove the camera from its container.

From the outside of the door insert the camera cable connector into the hole.

Feed the cable through the hole until the connector comes through the hole on the inside of the door.

Continue feeding the cable into the hole until the back end of the camera housing is near the hole on the outside of the door. DO NOT push the camera housing all the way into the door. Final camera installation is done after the LCD Door Mount is installed.

Install the LCD Door Mount

Two persons are recommended for installing the LCD Door Mount.

Step 1 - LCD mounting position

The LCD is mounted on the inside of the door using the LCD Door Mount. The door mount is approximately 8.25" wide by 5.25" high. Find a height that is comfortable for most users and mark the horizontal centre on the inside of the door at that height. Generally the height of the Door Viewer LCD display should be between 5 feet and 5.5 feet above the floor level. The horizontal position of the LCD is normally in the centre of the door to cover the hole used to install the camera.

Step 2 - Connecting the LCD Door Mount to the camera

Locate the door mount part in the installation package. Locate the LCD connection cable on the rear of the door mount. This cable is tucked into a channel in the rear of the door mount.

Grasp the connector and gently pull it from the channel.

Position the LCD door mount near the camera connector in the door. Grasp the square LCD connector and the square camera connector.

IMPORTANT! OBSERVE THE CONNECTOR ALIGNMENT

Connector alignment diagram

The square connectors have a key and keyway to ensure proper alignment of the connectors. Insert the male square connector from the camera cable into the female square connector from the LCD door mount cable.

Make sure that the key in the male connector is aligned with the keyway in the female connector.

Tuck the coupled connectors back into the channel in the rear of the LCD door mount.

Turn the Door Mount around so that the rear of the mount is facing the door. Position the door mount at the marked horizontal and vertical position on the door. Insure that the Door Mount is flush with the door surface. Insure that the camera cable is positioned within the recess of the Door Mount and not lodged between the door and the outer frame of the Door Mount. If necessary reposition the camera cable so that the Door Mount is flat against the door. Use a small line level to insure that the LCD Door Mount is level.

Step 3 - Securing the LCD Door Mount

Securely hold LCD Door Mount in position. Locate 4 self-tapping screws in Door Viewer Installation Package. Locate the 4 mounting holes in LCD Door Mount.

Place screws into Door Mount Holes and use a power drill with #2 Philips driver to drive screws into the door.

The installed Door Mount should be tight and flat against the door. The LCD Door Mount installation is complete.

Install the batteries

The Digital Door Viewer™ operates on 8 standard alkaline “AA” size batteries (not supplied). For longer life Lithium type batteries are recommended. 4 batteries are installed in each battery compartment on either side of the LCD screen.

When installing batteries carefully observe the battery polarity symbols inside the compartment for correct battery placement.

Battery installation is complete.

Install the LCD cover

Locate the LCD cover in the Installation Kit. The cover has 2 recesses at the top and bottom on the inside that fit over the tabs on the top and bottom of the LCD Door Mount. Place the top edge of the cover at the top edge of the LCD Door Mount. Align the recesses and tabs as seen below.

Swing the cover down and over the Door Mount. Make sure that the tabs are seated in the recesses.

Press the bottom corners of the cover down to seat the lower tabs and lock the cover in place on the Door Mount. The installed cover should be tight and flush against the door. The LCD cover installation is complete.

NOTE: The cover may be removed by firmly pressing against each side and pushing the cover up. The tabs on the top will release. Continue to gently pull the top of the cover away from the door and the top of the cover will come loose. Gently push the cover down and gently pull away from the door to release the bottom.

Final camera installation

After completing the LCD installation the camera can be fixed into position. The camera is fixed into the door by a very high bond strength adhesive ring. Before the camera is fixed it must be rotated in the hole so the image as seen on the LCD monitor will appear vertical. In this step the camera is rotated so that the image appears vertical on the monitor. If the camera is not aligned correctly the image will appear tilted. With the door closed a person on the inside turns on the Door Viewer by pressing the “Press and Hold” button. The image should appear on the LCD monitor. It is recommended that 2 persons perform this part of the installation.

A second person on the outside of the door will position the camera in the hole.

Step 1 - Prepare the camera adhesive ring

Use a fingernail, a penknife or a small screwdriver to peel the paper adhesive backing away from the adhesive ring on the backside of the camera housing flange. Avoid touching the exposed adhesive surface.

Step 2 - Position the camera

Feed the cable into the hole and guide the back end of the camera housing into the hole. Push the camera into the hole until about ½ of the camera is in the door. DO NOT push the camera housing all the way into the door. With the door closed one person on the inside turns the Door Viewer on by pressing the “Press and Hold” button.

The image should appear on the LCD monitor. The inside person can observe the alignment of the image on the LCD monitor and direct the second person to rotate the camera “clockwise” or “counter-clockwise” to get a vertical image.

Once the image is vertical, the outside person firmly presses the camera all the way into the hole to fix the adhesive to the door and lock in the camera.

Camera installation is complete. The entire system is now completely installed.

Digital Door Viewer™ operation

Just press and hold the “Press and Hold” button on the lower right corner of the LCD cover to see the image displayed on the LCD screen. The image will be displayed as long as the “Press and Hold” button is depressed.