

# ULTRAVISION-AXL 60M160 – SPECIFICATIONS

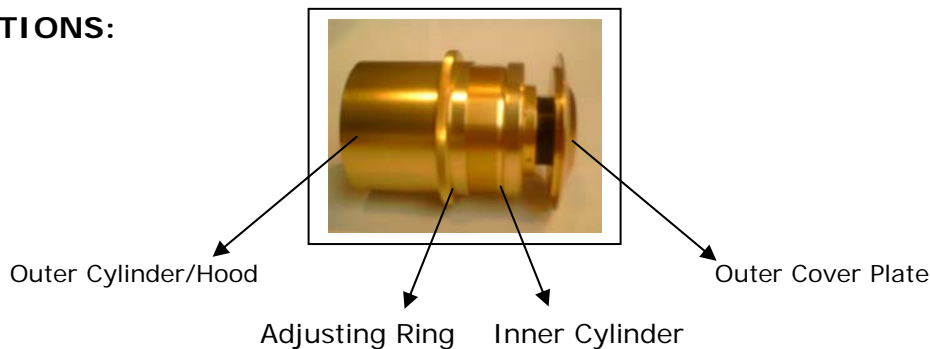
We designed this extraordinary projection viewer to fill a special niche in the market that no other “wide-angle” door viewer has been able to offer. This is the only projection viewer designed for installation on doors ranging from 1 ¼” to 4 1/8” thick using an optional extended and reversible cylinder/hood. The standard unit comes with a cylinder/hood suitable for doors 1 ¾” to 3 1/8” thick.

The outside prism common on all wide angle door viewers is openly exposed to the outside environment and is vulnerable to collect dirt, water, and subject to vandalism and breakage. A fixed hard glass cover protects the new UltraVision–AXL prism viewing lens that is recessed into a protective metal plate. The outer cylinder/hood extends by 1.0” to 1 ½” from door to reduce glare and enhance visibility.

The UltraVision-AXL has all the features of the UltraVision-A. It requires an opening of 2 3/8” using a hole saw for best results. Please read all the information here before ordering this special unit.



## SPECIFICATIONS:



Overall Length 3 1/8” (80mm)

Outer Cylinder Diameter 2 3/8” (60mm) - Diameter of opening required for installation

Outer Cover Plate Diameter 2 11/16” (68mm)

MINIMUM DOOR THICKNESS	MAXIMUM DOOR THICKNESS	HOOD EXTENDS FROM DOOR
2 ½” (65mm)	4 1/8” (110mm)	½” (12mm) With optional Cylinder
1 ¼” (32mm)	2 ¾” (70mm)	1 ½” (38mm) With optional Cylinder reversed
2 ¼” (54mm)	3 5/8” (94mm)	½” (12mm) With regular Cylinder
1 ¾” (42mm)	3 1/8” (80mm)	1.0” (26mm) With regular Cylinder reversed

# ULTRAVISION-AXL (60M160) INSTALLATION INSTRUCTIONS

- 1- Requires a Power Drill, Hole saw (2 3/8") with mandrill, a 1/4" starter drill bit, tape measure, carpenter level, hammer, a strip of sand paper, 2" nail, and a pencil.
- 2- Start from outside the door. Use the tape measure to determine the best height to install the viewer according to your needs. ( 4.5' – 5.0' average). Mark the spot with a pencil.
- 3- Use the carpenter level to draw a horizontal line over the spot where you want the viewer installed.
- 4- Use the carpenter level to draw a vertical line over the spot where you want the viewer installed. This line should intercept the horizontal line to create a "cross".
- 5- Use the nail to lightly punch a hole on the center of the "cross" using the hammer to create a starter indent. Remove the nail.
- 6- Place the 1/4" starter bit over the starter indent and drill through the door carefully. Make sure that the drill is straight and at level.
- 7- Guide the hole saw to the centre of the starter hole and drill from the outside of the door until you reach half way. Remove the hole saw and drill from the inside of the door until it clears the other half.
- 8- Clear the newly opened hole using the sand paper strip to smooth the inside and the edges of the hole.
- 9- Disassemble the outer cylinder from the main body of the viewer by turning it counter clockwise until it is off.
- 10- Insert the body of the viewer from the outside of the door, make sure not to scratch or damage the exposed large glass lens.
- 11- Install the outer cylinder from inside the door by turning it carefully clockwise while holding the outer cover plate flush with the door until the viewer is snug.
- 12- Rotate the viewer if necessary to get the image straight before tightening with the adjusting ring. Do not over tighten.

NOTE: The threads on the UltraVision-AXL are very fine. When re-assembling the outer cylinder you must be careful not to strip the threads. Do not force it if it is stuck while tightening, just unscrew, and start again very gently without applying any force.

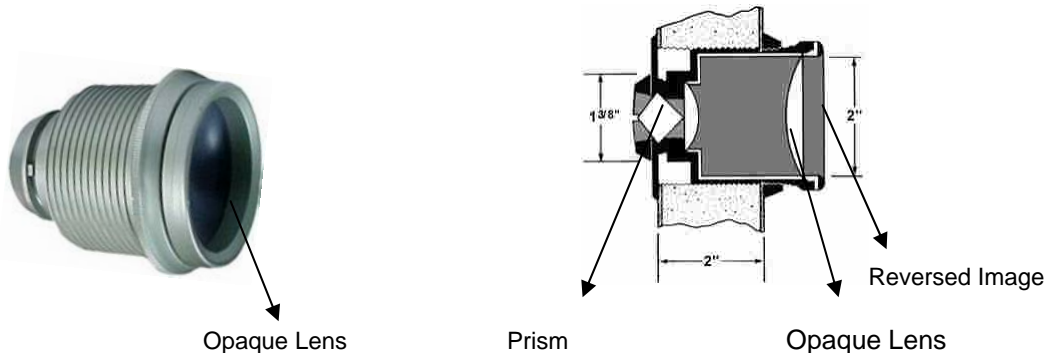


## INFORMATION ABOUT PROJECTION (WIDE ANGLE) DOOR VIEWERS

Thank you for considering a Projection Door Viewer. You should expect many years of enjoyment, performance, and protection from this sophisticated device.

The design of all Projection Door Viewers available in the market today utilizes the principle of a projected image. A prism projects the image onto the rear screen of an opaque lens. This is a projected image, very much like in a "rear projection TV".

When looking at the image projected onto the opaque lens, it will show as a reversed image. Like a mirror, the left side of the subject will be on the right side and vice-versa. This is not a fault of the device, but due to an optical principle.



The brightness of the picture is dependent on the intensity of the light source on the subject. Therefore, if you look at the viewer installed on a door leading to a bright open area, the image will be sharp and clear; however, if the viewer is located in a dim or darker area, like in a poorly lit hall of an apartment building, the image will be dark, fuzzy, and will lack definition.

This is why during a bright sunny day outdoors, the image will be very bright and sharp when looking from inside the house, but fuzzy on a cloudy day. One way to increase the source of light available during darker days, is to install a brighter porch or flood light over the subject outside the door. The purpose is to have the outside light source brighter than the light source inside the house.

Another consideration is to test the door viewer behind a barrier before installation, not just held on the hand in an open area. You will need some darkness from the inside in order to view the outside projected image properly. This is similar to trying to view a movie in plain daylight at a drive-in, the image projected on the screen will be faded and very dark, and however, at nighttime the movie will be much brighter and sharper under the stars.

If the door opens to a dark or poorly lit area that you cannot improve, an alternative solution will be to install a direct thru-the-lens viewer such as the EZView-BR viewer. These door viewers will offer a larger viewing area than conventional peepholes. and will allow you to see the image directly like a viewfinder with little lost of brightness or sharpness. These viewer will also be very suitable for the elderly and individuals with poor vision.

You must take into consideration all these factors discussed above before proceeding to drill a 2 3/4" opening on your door since a change of mind will not be an option.