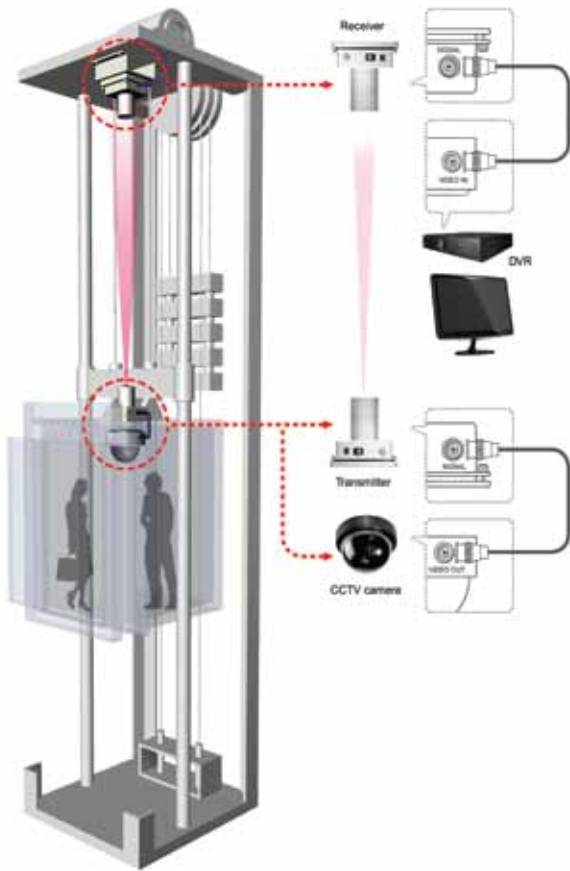


How to install (Install Transmitter on the roof-top of Elevator Car)



1. Before installing the Transmitter and Receiver, we strongly recommend to level the Transmitter and Receiver on the flat surface outside the elevator by using corner screws.
2. Move the elevator car to the highest position where it is easy to work on the outer surface on the roof-top of the elevator car.
3. Install the CCTV camera inside the elevator car. Run video coaxial cable and transmitter power cable through the elevator roof-top. Use a conduit from CCTV camera to the Transmitter to avoid any friction or damage to the cables. CCTV camera power must be connected according to the camera specification.
4. Place the Transmitter with magnetic base on the flat metallic surface on the roof-top of the elevator car. Connect video coaxial and the transmitter power cables. Position of Receiver and Transmitter must be well planned before the installation. Use the level and 4 corner screws to make the Transmitter perfectly horizontal.
5. Turn on Transmitter switch. Confirm the laser beam is emitted. Laser beam reflection must be circular, not oval shape. Use 4 corner screws of the Transmitter to fine-tune the angle to make circular shape.
6. Using the beam reflection as guide, install metallic mounting bracket on the ceiling. Mounting bracket and the receiver should be placed in the center of the beam reflection.
7. Place the receiver on the mounting bracket. Center of the Receiver should be aligned with laser beam reflection and mounting bracket.
8. Use the power outlet in the mechanical room for Receiver's power supply. There are holes between the mechanical room and elevator hoist way. Use a conduit for running power cable from mechanical room to the Receiver on the ceiling.
9. Running the coaxial cable from the Receiver to control room(or DVR) depends on the location of the control room (or DVR).
 - When the control room(or DVR) is at high level in your building, we recommend running coaxial cable through the mechanical room. In this case, also use a conduit for running coaxial cable from the Receiver to the mechanical room.
 - When the control room(or DVR) is at low level in your building, In most elevator hoist ways, there is an elevator wire gutter space to drop down all wires to the pit. We recommend dropping down coaxial cable through this gutter space to the pit. Use a conduit for running coaxial cable from the Receiver to the inlet of the elevator wire gutter space and from the pit to the control room(or DVR).
10. Before connecting coaxial cable from the Receiver to the control room(or DVR), turn on the Receiver power switch. Use the field monitor to test video transmission. Check the condition of video quality while moving the elevator down floor by floor. If you notice any video noise or disruption, adjust the angle of transmitter with 4 corner screws. Beam-Receiver alignment must be corrected until the video transmission is clean at the lowest floor. Repeat adjustment until good video quality is confirmed at all floor levels.
11. After fine-tuning beam alignment is complete, connect a coaxial cable from the Receiver to display equipment or DVR in the control room. Test video monitoring during regular elevator operation.