### Warranty

To receive after-sales service, have the following ready when you contact our branches:
1. Name of the product
2. Model number of the product
3. The area of problem
4. Phone number and address at which you can be contacted.

### Warranty Card

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>MODEL</th>
<th>DATE PURCHASED</th>
<th>WARRANTY PERIOD</th>
<th>AGENCY ADDRESS</th>
</tr>
</thead>
</table>

① KOCOM Warranties the original purchaser of this product as follows.
1) This product is produced under strict quality control and inspection procedures.
2) If this product breaks down during proper use as a result of product defect, KOCOM will repair it within one year from date of purchase free of charge.
3) The following cases will be subject to charge, even during warranty period:
   a. Breakdown during transport, or through careless treatment, by consumer.
   b. Breakdown cause by unauthorized repair, or system modification.
   c. Breakdown caused by natural disaster or power disorder.
Cautions for Safety
For safe use, please stick to the following cautions.

- Please, save this manual after reading these instructions carefully. Read and understand all instructions to set up tightly.
- This Cautions for Safety may include items that are not contained in specifications of the product that consumer purchases.
- If you need assistance with the set-up or operation, please contact with A/S center.

The important marks in the manual.
- To help our customers to understand it, prevent any personal injury or property damage, some marks are used in the manual.
- The marks and the drawing signs are below. Please, understand the marks before reading the manual.

The meaning of the drawing signs.
- Sign to show what not to do
- Sign to tell you that you should follow the instructions
- Sign to tell you that you must unplug the unit
- Sign to tell you that you can't disassemble this unit
- Sign to show what to do
- Sign to tell you that you need more attention including high voltages, electric shock, danger, warning

Caution
- The law limits distributing the power lines to an authorized person from government. The work from an unauthorized person cause fire or electric shock.
- Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
- Do not set up this unit near the leaking place because it may expose you to dangerous voltages or other risks.
- Even if your product is water proof, do not install it started place of water leakage, which can a short circuit.
- The work of distributing wires needs skills and experiences. So please, for assistance, contact your dealer or service center.
- The communication lines should be built in being distant from the power source. This may result in the risk of fire, electric shock and communication disorder.
- Setting the communication lines in a high humid place such as outside without any protection from rain causes the communication disorder.
- Keep the hook of the wall-mounted device safe. The hook may cause the physical injury.
- Think about the thickness and quality of wall material. The unqualified material may make the device fall.
- Set the device of the wall-mounted type not to fall. Falling from an earthquake causes personal injury.

Cautions for Use
- Do not disassemble this unit at will as this device is composed by precision parts.
- Install the unit by following the set-up instructions of Kocom.
- Do not touch or insert any foreign substances, for example, sticker, magnetic, opener and the like.
- Make U-type at the end of wires as the rain effect on the system by following the wires during the rainy season.

Videophone
- Separate the ACDC lines with the hook of the wall-mounted type when installing. Connect the lines after peeling the wires properly.
- Do not distribute signal line with AC line. Use the designed driver to connect the lines to terminal.
- Do not clean the LCD with the damp cloth for cleaning. Use the only dry and soft cloth.
- Do not install the main gate monitor at the leaking place.

Things You Need to Know
- This product is designed as a home videophone and cannot use continuously like monitor camera.
- If there is temperature difference between inner part of camera and surrounding, dew condensation occurs on camera lens and may distort image.
- The dew condensation is removed from camera lens, image quality recovers.
- While LED light examination range is narrower than camera shot range at night, so there is less amount of light at night than day.
- So it is difficult to see the face in low illumination condition due to noise increase on screen, but it is not from defect.
- Monitor screen liquid crystal panel is not in defect when some pixels always light or black out.
- Please install monitor and camera over 5cm away. Also, avoid installing at a place with too much noise, because too much noise around camera causes phone call inferiority.

Cautions for Repairs and Maintenance
- Keep the inside of the device clean. Having the dust inside without any cleaning for a long time causes the fire. If necessary, contact your dealer or service center to get cleaning service.
- Unplug this device when you want to move it to another place. If the electric line is connected inside of the unit, please contact your dealer or service center.
- Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

Warnings for Usage
- Do not install this unit near the water and dust, for example, in a bathroom or near the washing machine. It caused fire and electric shock.
- Do not install this unit near the fire, for example, near kitchen sink, heater or the like.
- Do not install near the nosyous gas such as Hydrogen Sulfide, metal powder and the like.
- Do not install near the water and chemicals.
- Do not give any damage, break and modify the plug. Overloading, heating, pulling causes the damage.
- Do not use the place the plug near the heater. The damaged code causes fire and electric shock. Do not pull the power code when unplugging.
- The damaged code causes fire and electric shock. Must pull with plug. Do not touch with wet hands. It causes the electric shock.
- Do not use any other voltage, except the marked regular voltage.
- Do not use the power terminal at the units to other electric device except the designed device.
- Do not install the units at the leaking place if it doesn't have any waterproof mark. Do not install the unit when the power is on.
- Install the circuit breaker after checking the safety such as electric shock and leakage. Turn off the power before you install or A/S.

Warning
- Check the suitability of the lines for installing when you use the exiting lines.
- Do not connect the wiring work by using the designed material.
- Connect the electric wire with the designed ways and ground.
- Do not connect with any other devices except the designed devices to compose the system.
- Unplug electric wire and communication lines from the units before moving to another place.
- Place the camera and monitor more than 5cm away. Also, avoid installing at a place with too much noise, because too much noise around camera causes phone call inferiority.

Cautions for Abnormality
- Change the damaged electric code.
- Unplug this unit from plug socket and refer servicing to an authorized service center when the following conditions occur:
  - If the liquid has been spilled into the unit.
  - If the unit exhibits a distinct change in performance.
  - If the unit has been dropped or physically damaged.

Safety Instructions, Warnings and Cautions of Each System
- Do not disassemble this unit as this device is composed by precision parts.
- Install the unit by following the set-up instructions of Kocom.
- Do not touch or insert any foreign substances, for example, sticker, magnetic, opener and the like.
- Make U-type at the end of wires as the rain effect on the system by following the wires during the rainy season.

Videophone
- Separate the ACDC lines with the hook of the wall-mounted type when installing. Connect the lines after peeling the wires properly.
- Do not distribute signal line with AC line. Use the designed driver to connect the lines to terminal.
- Do not clean the LCD with the damp cloth for cleaning. Use the only dry and soft cloth.
- Do not install the main gate monitor at the leaking place.

Things You Need to Know
- This product is designed as a home videophone and cannot use continuously like monitor camera.
- If there is temperature difference between inner part of camera and surrounding, dew condensation occurs on camera lens and may distort image.
- The dew condensation is removed from camera lens, image quality recovers.
- While LED light examination range is narrower than camera shot range at night, so there is less amount of light at night than day.
- So it is difficult to see the face in low illumination condition due to noise increase on screen, but it is not from defect.
- Monitor screen liquid crystal panel is not in defect when some pixels always light or black out.
- Please install monitor and camera over 5cm away. Also, avoid installing at a place with too much noise, because too much noise around camera causes phone call inferiority.

Cautions for Repairs and Maintenance
- Keep the inside of the device clean. Having the dust inside without any cleaning for a long time causes the fire. If necessary, contact your dealer or service center to get cleaning service.
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- Do not install this unit near the water and dust, for example, in a bathroom or near the washing machine. It caused fire and electric shock.
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- The damaged code causes fire and electric shock. Must pull with plug. Do not touch with wet hands. It causes the electric shock.
- Do not use any other voltage, except the marked regular voltage.
- Do not use the power terminal at the units to other electric device except the designed device.
- Do not install the units at the leaking place if it doesn't have any waterproof mark. Do not install the unit when the power is on.
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Warning
- Check the suitability of the lines for installing when you use the exiting lines.
- Do not connect the wiring work by using the designed material.
- Connect the electric wire with the designed ways and ground.
- Do not connect with any other devices except the designed devices to compose the system.
- Unplug electric wire and communication lines from the units before moving to another place.
**Components of Product**

- **Monitor Components**
  - Monitor (KCV-352)
  - AC Door Lock Wire
  - Wall Hanger Fixing Screws

- **Door Camera Components**
  - Door Camera (KC-062)
  - Camera Main Frame Supporter
  - Screw for fixing cabinet body on the wall

**Name and Functions of Each Part**

**The Front Side**
1. Power switch: Use by turning AC power ON / OFF.
3. Speaker
4. Microphone
5. Monitor button: Push this button to check around camera when inside, and image is displayed for 30 seconds. (Voice interception between camera and monitor)
6. Mic: Current level of voice
7. Camera section: Converts camera surroundings to visual signal
8. Power cord

**The Back Side**

**Product Functions and Features**

1. Display product working condition with OSD: Display call condition, monitor condition, speaking condition, open door condition, Tint, Bright, error message on OSD
2. When no signal on image converts to standby condition
3. Very low consumption of electric power in standby: 0.7W of electric power consumed in standby condition, reducing electric charges.
4. Use of Digital 3.5" LCD Panel: The image is very clear and quality excellent due to use of quality LCD Panel.
5. Nonpolar 2 wire method between camera and monitor: Can be easily installed due to nonpolar 2 wire method between camera and monitor.
6. Extension monitor's 2 wire method: Extension monitor can be easily installed with 2wire polar.
7. Long distance wiring: Can install up to 150m between camera and monitor.
8. Can connect door opener to monitor and camera
9. Automatic confirmation test of connection between camera and monitor

**Installation Location**

- **Monitor installation location**
  - Standard installation height is about 1500mm where screen center is at eye level
  - In this case, wall-hanging metal center (center of spring) is 150mm above ground level.
  - Standard installation height

- **Camera installation location**
  - Camera installation height: Standard camera installation height is about 1500mm above the floor.
  - In this case, camera stack center (splicing tool) is above 1350mm above ground level.
  - Standard installation height

**Caution of Camera Installation**

- Avoid installing camera exposed to direct ray of light.
- Beware of simultaneous function of door opener connected to camera and monitor.
- Ensure proper installation height.
- Ensure proper installation location.
- Ensure proper power supply and wiring.

**Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>Cross Section (㎟)</th>
<th>Diameter (㎟)</th>
<th>Distance (m)</th>
<th>Power Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3</td>
<td>1.5</td>
<td>0.8</td>
<td>100</td>
<td>0.7W±20%</td>
</tr>
<tr>
<td>0.5</td>
<td>1.5</td>
<td>0.8</td>
<td>120</td>
<td>0.7W±20%</td>
</tr>
<tr>
<td>0.8</td>
<td>1.5</td>
<td>1.0</td>
<td>150</td>
<td>0.7W±20%</td>
</tr>
</tbody>
</table>

- **Additional Specifications**
  - **Model Number**
    - KCV-352: DC12V±0.5V / 1.5A
    - KCV-D352: SMPS AC100V~240V

- **Dimensions**
  - Width: 195 (mm) x 140 (mm) x 34 (mm)
  - Height: 195 (mm) x 140 (mm) x 34 (mm)

- **Weight**
  - 0.7W±20%

- **Temperature**
  - 0℃ ~ 40℃
INSTRUCTIONS for OPERATION

■ Calling from camera

Push call button from camera. You can hear small call sound toward camera and check the call.
You can hear call sound from all connected monitors, and camera image comes out on screen.
Push monitor button to convert to monitor tool for 60 seconds.
Push speak button to speak with camera. You can hear call sound from all connected monitors, and camera image comes out on screen.
Push open door button to open front door. About 5 seconds after pushing the button, call ends automatically.
Push monitor button once more, and image is intercepted. Do not push the button and after 60 seconds image is intercepted automatically.

■ Using monitor tool

Push monitor button once more, and image is intercepted. Do not push the button and after 60 seconds image is intercepted automatically.
Push open door button after speak button, and front door opens. 5 seconds after pushing open door button, speaking ends automatically.

■ Monitor screen time

- Not pushing speak (or monitor) button after calling from camera : 30 seconds
- Pushing monitor button to check around camera : 60 seconds
- Push speak button to speak with camera : 3 minutes

■ Screen brightness, call sound, speak volume adjustments

- Screen brightness adjustment : Screen brightness variable to volume.
- Call sound adjustment : Call sound variable in 3 steps (high/medium/low).
- Speak volume adjustment : Speak sound (monitor output voice) variable in 3 steps (high/medium/low).

Product connection diagram

If you connect other types of cable in the middle of communication cable wiring between monitor/camera, monitor/extension monitor or divide parallel 2wick to 1 pattern, image screen may shake or quality may deteriorate.
Also, wire not used in communication wiring must be deleted or connect product.

- Product connection diagram
  - Beware in installation of pushing open door button, which causes DC switch connected to camera and AC (or DC) switch connected to monitor to motion.
  - Connect DC switch and AC switch movement power separately. Switch connecting to camera can only use DC switch, and switch connecting to monitor can use AC or DC type.

Open door opener works only in speaking condition, and does not work when no image is on screen.

Push monitor button when there is no image on monitor screen.
Camera image appears on screen. But (only), voices speaking is intercepted.

- Door opener wiring diagram on door camera in DC

AC or DC wiring diagram on monitor

Must use only one switch for monitor or camera.

<Door Lock spec>

- DC: Below 12~30V, 3A
- AC: Below AC 90~250V, 3A

<Door Lock spec>

- DC 12~24V, 1A

※ Cannot connect door Lock to camera. (Door Lock must be purchased separately.)

※ Cannot connect door Lock to monitor.

AC/DC Door Opener

If you connect other types of cable in the middle of communication cable wiring between monitor/camera, monitor/extension monitor or divide parallel 2wick to 1 pattern, image screen may shake or quality may deteriorate. Also, wire not used in communication wiring must be deleted or connect product.