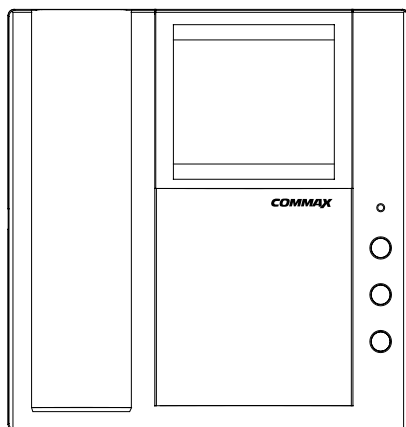




COMMAX®

Video DoorPhone

Model No. DPV-4AE



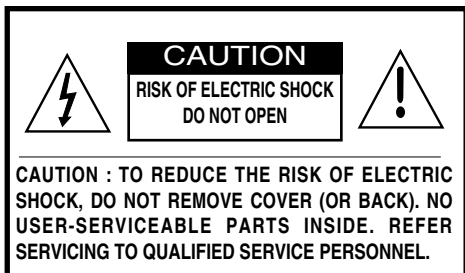
COMMAX Co.,Ltd.

- Thank you for purchasing our COMMAX product.
- Please carefully read this User's Guide (in particular, precautions for safety) before using the product and follow the instructions to use your product exactly.
- The company is not responsible for any safety accidents caused in abnormal operation of the product.

1. Introduction

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated “**dangerous voltage**” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the unit.


INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly; that is, in strict accordance with the manufacturer’s instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limitations for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet of a circuit different from that to which the receiver is connected.
- Consult the dealer or on experienced radio/TV technician for help.

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET, UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

2. Important Safety Instructions

- 1. Read Instructions** - All the safety and operating instructions should be read before the product is operated.
- 2. Retain Instructions** - The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow Instructions** - All operating and use instructions should be followed.
- 5. Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol. Use a damp cloth for cleaning.
- 6. Attachments** - Do not use attachments not recommended by the product manufacturer, as they may cause hazards.
- 7. Water and Moisture** - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, and the like.
- 8. Accessories** - Do not place this product on an unstable cart, stand, tripod bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9. A product and cart combination** should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- 10. Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product. They protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided, or the manufacturer's instructions have been adhered to.
- 11. Power Sources** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your product dealer or local power company. For products intended for operation from battery power or other sources, refer to the operating instructions.
- 12. Grounding or Polarization** - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still cannot be inserted, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Important Safety Instructions

- 13. Power-Card Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- 14. Protective Attachment Plug** - The product is equipped with an attachment plug having overload protection. This is a safety feature. See instruction Manual for replacement of, or resetting the protective device. If replacement of the plug is required, be sure the service technician has uses a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
- 15. Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode (Refer to the figure on page 5).
- 16. Lightning** - For added protection of this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 17. Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits.
- When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 18. Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.
- 19. Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 20. Servicing** - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 21. Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.
- A. When the power-supply cord or plug is damaged.
 - B. If liquid has been spilled, or objects have fallen into the product.
 - C. If the product has been exposed to rain or water.

Important Safety Instructions

D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

E. If the product has been dropped or damaged in any way.

F. When the product exhibits a distinct change in performance - this indicates a need or service.

22. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

23. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

24. Wall or Ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

25. Heat - The product should be situated away from heat sources such as radiators, heat resistors, or other products (including amplifiers) that produce heat.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

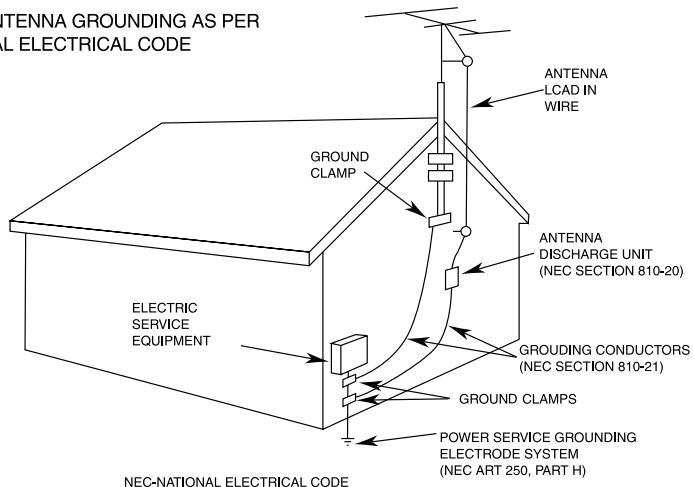
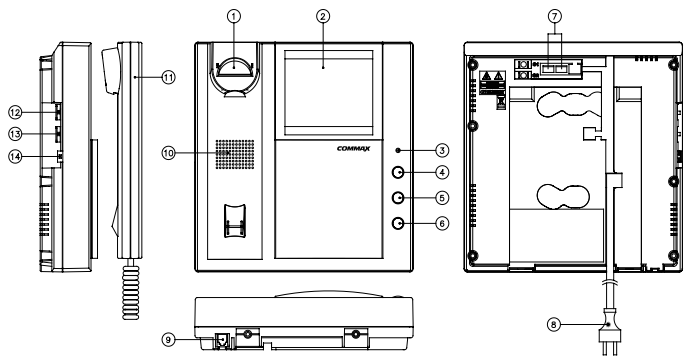


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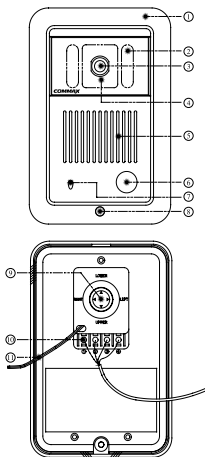
3. Features

► Monitor (DPV-4AE)



No.	Description	No.	Description
1	Hook switch	8	Power cord
2	Monitor Screen	9	Handset connector socket
3	Power LED	10	Speaker
4	Monitor button	11	Handset
5	Intercom paging	12	Brightness control switch
6	Door release	13	Volume control switch
7	Camera1, Camera2 connector socket	14	Power On/Off switch

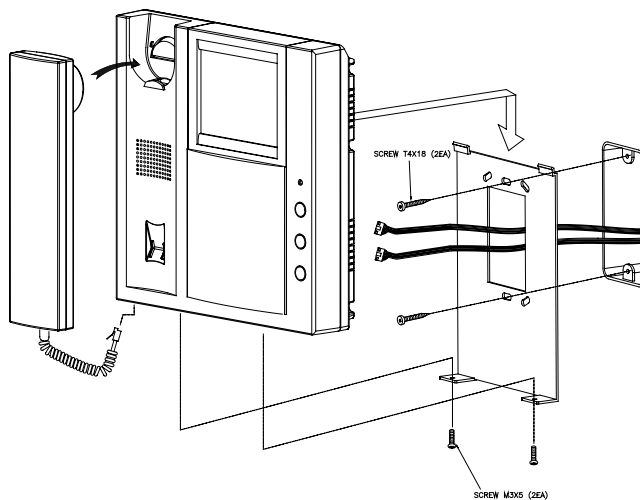
► Camera(DRC-403DF)



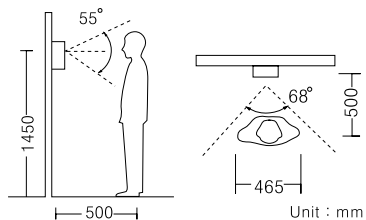
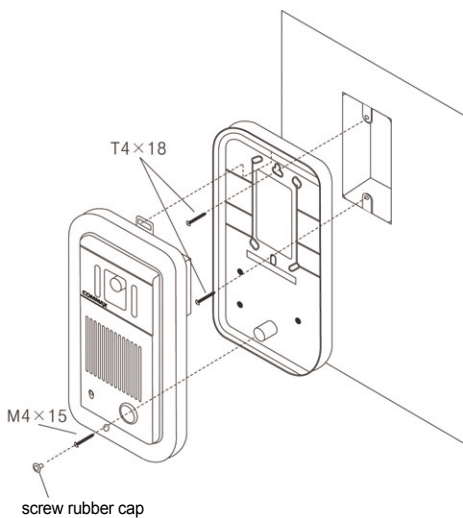
No.	Name	Description
1	Front panel	Protects the camera from outside force
2	Infrared lamp	Provide lighting during night time for better visibility
3	CCD camera lens	Captures the image to send to the monitor
4	Lens protection cover	Protects the camera lens from scratching
5	Speakers	Sound from the monitor is delivered
6	Page button	Pages the household to communication
7	Microphone	Delivers sound and voices when communication with household
8	Screw cover	Cover the screw hole
9	Camera Pivoting Leve	Allows the camera lens to pivot about for the optimum angle
10	Monitor connection socket	Connects with the monitor

4. Installation instructions

► Monitor Installation



► Camera Installation



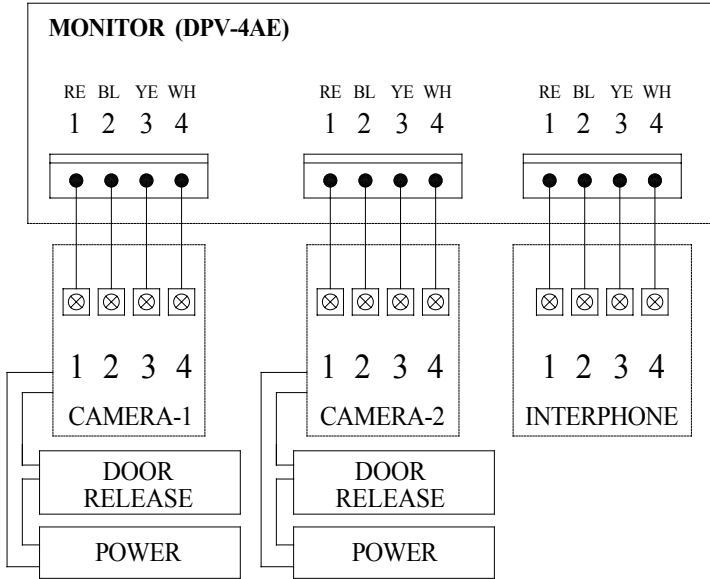
※ Installation Location

- Avoid installing the camera where it is exposed to direct sunlight.
- The visitor's image may not be clearly visible if there are surrounding lighting sources behind the visitor in which case, separate lighting may be necessary.

5. Wiring

※ Camera connections

1. Red : voice 2. Blue : ground 3. Yellow : power(B+) 4. White : video

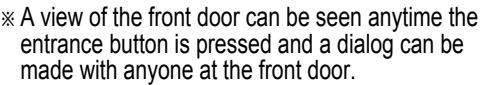


※ Wiring precautions

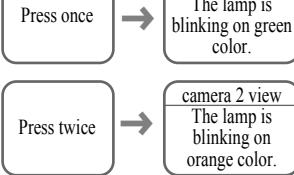
1. If high voltage cables are present in the vicinity, use a coaxial cable with metal outer casing.
2. If any external wiring is exposed, it may cause a short and become a cause of malfunction or fire.
3. When connecting the monitor and camera, make sure that the monitor power is off. (turn on the power after plugging the AC power cord into the outlet)

6. Operation

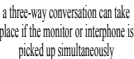
► Visitor Call



► Visitor call when two cameras are present



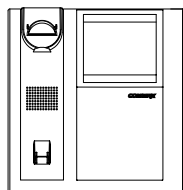
► Communication with the optional interphone



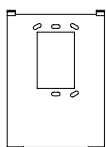
※ Dialog between the interphone and camera is possible only when the visitor's image is visible on the monitor screen.

7. Parts list

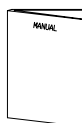
► Monitor (DPV-4AE)



Monitor(main unit)



Mounting bracket



User's guide



Handset



Mounting screw



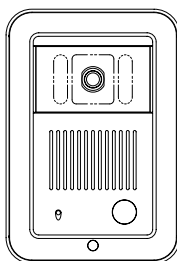
screw
(for monitor)



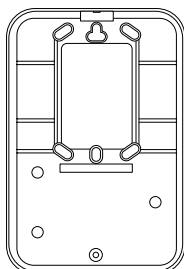
4 pin
connector

Monitor(main unit)	1 pc
Handset	1 pc
Mounting bracket	1 pc
screw(for monitor)	2 pcs
Mounting screw	4 pcs
4 pin connector	3 pc
User's guide	1 pc

► Camera (DRC-403DF)



Camera



Mounting bracket



under upper
Switch fixing
screw(for box)



Mounting
screws
(4EA)



Screw
(for camera)



Screw
rubber
cover

Camera(main unit)	1 pc
Mounting bracket	1 pc
Mounting screw	4 pcs
Screw(for camera)	1 pc
Switch fixing screw(for box)	1 pc
Screw rubber cover	1 pc

8. Specifications

Model : DPV-4AE	
Rating Voltage	AC 100 -240V~, 50/ 60Hz
Consumption	Stand-by: 2.5W, operation : 18W
Wiring method	Entrance 4 wires, interphone 4 wires
Monitor	4 B/W flat CRT monitor
Communication method	Simultaneous type
Call tone	Call from camera : electronic chime, interphone : electronic buzzer
Communication duration	90sec ± 10%
Transmission Distance	28m(Ø 0.5)/ 50m(Ø 0.65)/ 70m(Ø 0.8)
Operating Ambient Temperature	0 ~ +40 (32°F ~ 104°F)
Weight	1.5Kg
Dimension(mm)	202(W) × 207(H) × 67(D)

Model : DRC-403DF	
Wiring method	4 wire in polarity
Rating Voltage	DC12V(supplied from the monitor)
CCD	1/3 B/W CCD
Frequency	Horizontal : 15.75KHz/ 15.62KHz , vertical : 50Hz/ 60Hz
Lens adjustability	up : 10° down : 7° left/right : 7°
Lens focus	F # : 2.0, f:3.0mm stationary
Minimum illumination	0 Lux (30cm in camera°Øs front)
Operating Ambient Temperature	-10 ~ +50 (32°F ~ 104°F)
Dimension(mm)	125(W) × 183(H) × 50(D)

Home Network
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