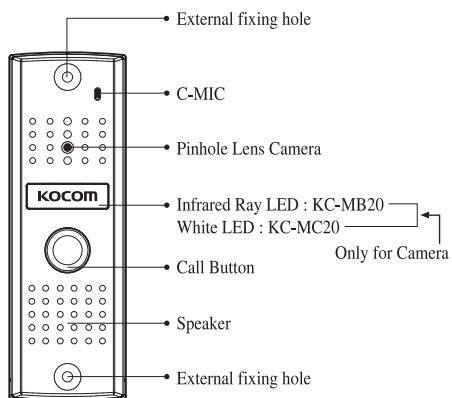


Name and Function of each part

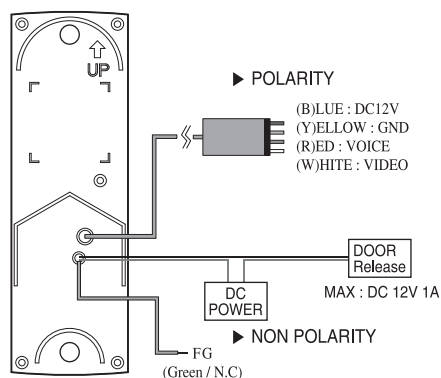
KC-MB20 / KC-MC20 Function Parts

▶ FRONT PART

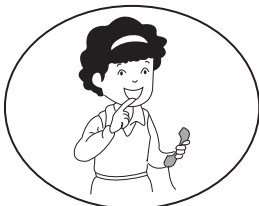


KC-MB20 / KC-MC20 Installation Parts

▶ REAR PART



Warranty



To receive after-Sale 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

PRODUCT	
MODEL	
DATE PURCHASED	
WARRANTY PERIOD	
AGENCY ADDRESS	

KOCOM Warranties the original purchaser of 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.

KOCOM CO.,LTD.

<http://www.kocom.com>

E-mail : export@kocom.com

This manual is based on the date as shown in the right and specifications are subject to change without notice for quality improvement.

KC-MB20 / MC20 P0424

KOCOM

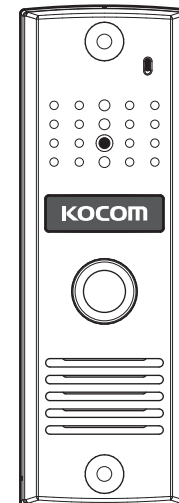
MINI METAL PINHOLE CAMERA

KC-MB20 / KC-MC20 User's Manual for Operation and Installation

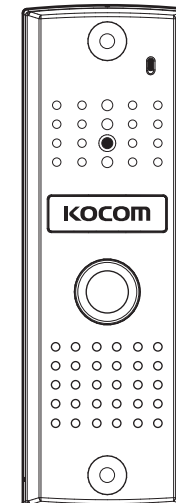
◆ Features

- ▶ Call and communication with indoor unit.
- ▶ Door open function (Extra DC Power is necessary).
- ▶ Infrared ray LED for night detection : KC-MB20.
- ▶ White LED for night detection : KC-MC20.

Thank you very much for purchasing KOCOM Mini Metal Pinhole Camera. Please read this manual thoroughly to ensure correct usage, before operation.



**KC-MB20
(B/W)**



**KC-MC20
(COLOR)**



KOCOM CO.,LTD.

Specifications

KC-MB20		
MINI METAL PINHOLE CAMERA	Power Source	DC 12V \pm 1V (Powered from monitor)
	Power Consumption	Max : 3.2W
	Assurance Temperature	-40°C ~ 50°C
	Scanning Frequency (CCIR)	15.625 KHz (H), 50Hz (V)
	Scanning Frequency (EIA)	15.734 KHz (H), 59.94Hz (V)
	Lens	Fixed
	Min. Illumination	0.1 LUX (IR LED ON)
	Angle of Picture	Diagonal 90°
	Dimension	40(W) \times 120(H) \times 22(D)mm
	Color	Silver
	Installation Maximum Distance	IV 0.65 ϕ 50M

KC-MC20		
MINI METAL PINHOLE CAMERA	Power Source	DC 12V \pm 1V (Powered from monitor)
	Power Consumption	MAX : 1.5W
	Assurance Temperature	-40°C ~ 50°C
	Picture Elements (NTSC)	640(H) \times 480(V)
	Picture Elements (PAL)	640(H) \times 480(V)
	Lens	Fixed
	Min. Illumination	0.1 LUX (White LED ON)
	Angle of Picture	Diagonal 96.1°
	Dimension	40(W) \times 120(H) \times 22(D)mm
	Color	Silver
	Installation Maximum Distance	IV 5 ϕ 50M

※ CAUTION

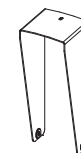
1. Do not drop and avoid strong impact.
2. Install with coaxial cable(5C-2V) and metal pipe at the places having strong magnetic field and electrical noise. (for camera)
3. For installation, avoid the places of high or low temperature, high humidity, or the places getting strong direct sun light.
4. The communication may not be clear in noisy place.
5. When you install the front door camera, in order to prevent that rainwater enters into the camera through the wires, please hang the wires down.

Components of product

■ Main Body



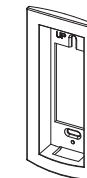
■ Sun visor



■ Angle Supporter



■ Flush Mount Bracket



※ In case of Surface mount type, 'Sun Visor' and 'Angle Supporter' are packed together with the 'Main Body'. And 'Flush Mount Bracket' is included for Flush mount type.

■ Screws for fixing monitor



Screw Cap (2EA)



Sun Visor Screw
(2 x 4mm 3EA)



Dummy Screw
(4 x 25mm 2EA)



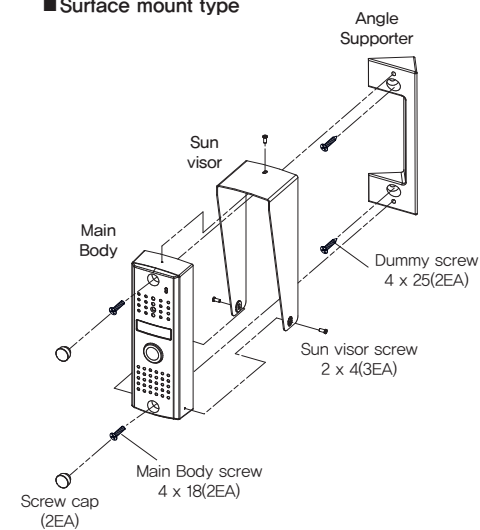
Main Body Screw
(4 x 18mm 2EA)



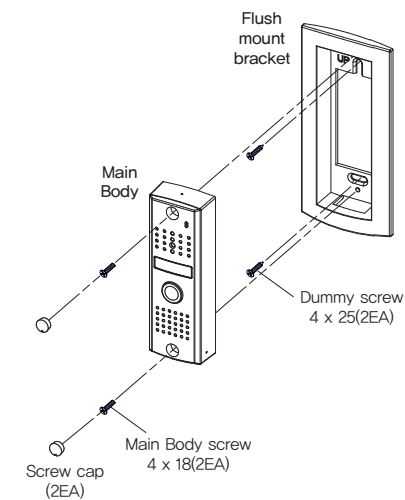
Spare Screw
(4 x 20mm 2EA)

Installation

■ Surface mount type



■ Flush mount type



※ When using Angle Supporter, if Main Body Screw(4x18) does not fit, please use Spare Screw(4x20).