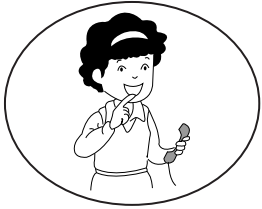


Warranty



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.co.kr

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 05.09

KOCOM®

MINI METAL PINHOLE CAMERA

KC-MB20 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.

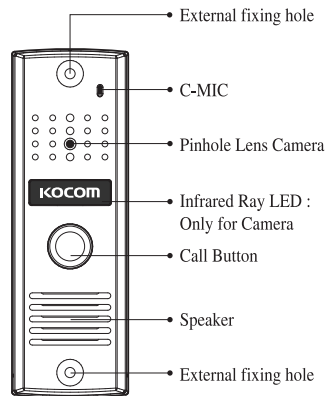


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Component's Name

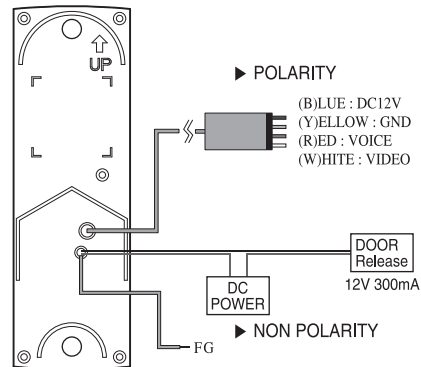
KC-MB20 Function Parts

▶ FRONT PART



KC-MB20 Installation Parts

▶ REAR PART



In order to connect door opener to KC-MB20 and use door open function, When the door open button on the monitor is pressed, the applied voltage 12V should be in Voice terminal in monitor and it makes the operation. Of cause the monitor which suply 12V voltage in Voice terminal in monitor should be used.

Specifications

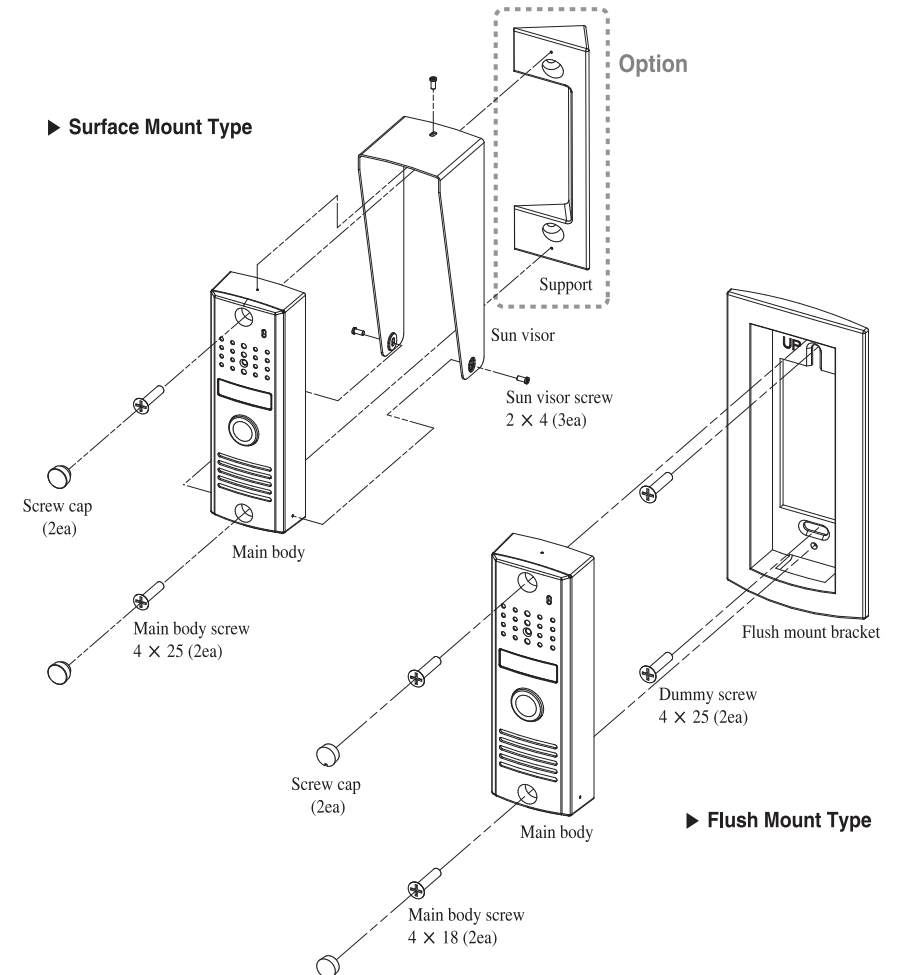
KC-MB20		
MINI METAL PINHOLE CAMERA	Power Source	DC 12V ± 1V (Powered from monitor)
	Power Consumption	Max : 3.2W
	Assurance Temperature	-10°C ~ 50°C
	Scanning Frequency (CCIR)	15.625 KHz (H), 50Hz (V)
	Scanning Frequency (EIA)	15.734 KHz (H), 59.94Hz (V)
	Lens	Fixed
	Min. Illumination	0.1 LUX (IR LED ON)
	Angle of Picture	Diagonal 90°
	Dimension	40(W) × 120(H) × 22(D)mm
Color	Silver	
Installation Maximum Distance	IV 0.65 ∅ 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.

Installation

▶ Surface Mount Type



4. KC-MB20 should be used with KIV-102, KIV-101, KVM-524RG, KVM-524G, KVM-524GS & KVM-520 monitor only for good quality and operation. And when KC-MB20 is used with those monitors which have door opener terminal connection on the monitor, the door opener connection (2wire) in KC-MB20 is not used. Do not use door opener connection (2wire) in KC-MB20, when combined with the monitor which has door opener connection on the monitor. (KIV-102, KIV-101, KVM-524RG, KVM-524G, KVM-524GS & KVM-520)
5. When KC-MB20 is combined with KIV-101 monitor, Priority button on KIV-101 does not work because of camera spec.
6. The communication may not be clear in noisy place.
7. 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.