

## 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

PRODUCT	
MODEL	
DATE PURCHASED	
WARRANTY PERIOD	
AGENCY ADDRESS	

### ☉ 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.

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

KVM-514GS 05.03

# KOCOM

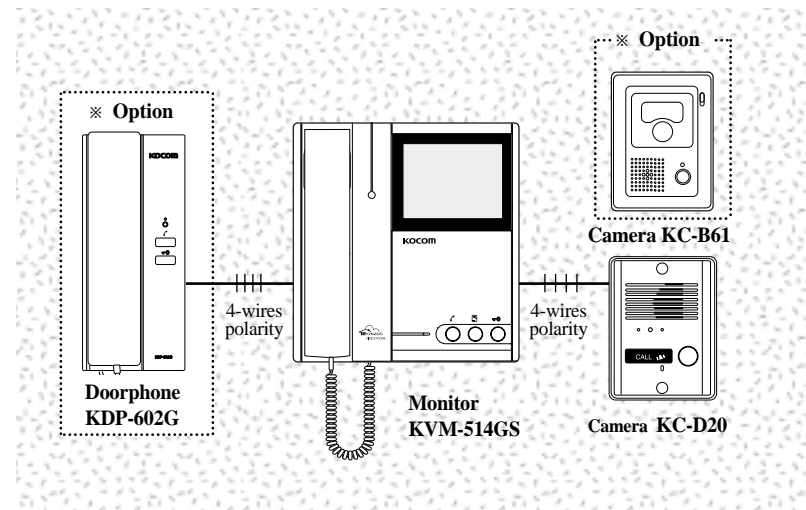
# VIDEO DOORPHONE

KVM-514GS Operating Installation Manual

## Clear & Bright Picture at Low Light

- Intercom Function
- 4" Flat Monitor
- 4 Wired in Polarity
- Easy Installation
- Wide view angle  
KC-D20 (90°) / KC-B61(120°)
- DC 17V only
- Additional 2 Monitors available
- Additional 1Monitor + 1 doorphone available

*Thank you very much for purchasing KOCOM video doorphone. please read this manual thoroughly to ensure correct usage, before operating*

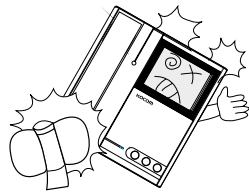


KOCOM CO.,LTD.

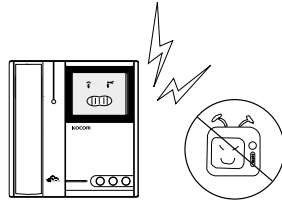
## Precautions for Operation



Keep away from humidifier and stove. High temperature and humidity can cause breakdown.



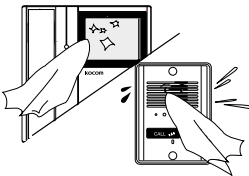
Do not drop monitor or door camera, and avoid strong impact.



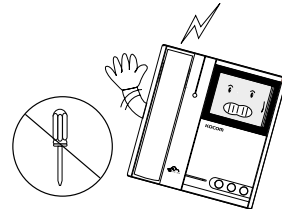
Keep away from devices generating strong magnetic field (TV, Speaker, etc.) (Picture can be disturbed or blurred and breakdown can result)



When cleaning, never use wet hands, volatile benzene or paint thinner.



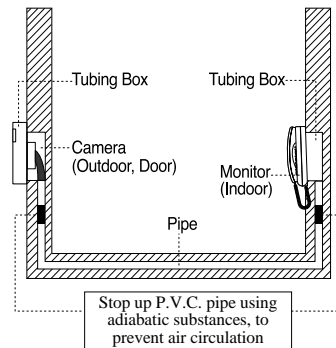
Keep picture clear by cleaning camera window frequently with soft cloths.



As this device consists of electronic precision components, and high voltage is generated internally, do not attempt to disassemble.

## Installation Precautions

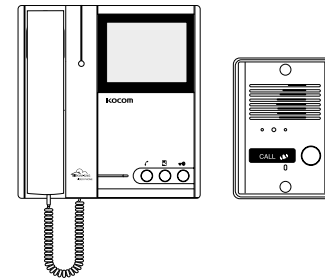
- Monitor and camera must be installed away from direct light and counter light.
- Camera must be installed at a place free from rain.
- Standard height of monitor must be 1,450mm~1,500mm from ground, centered around brawn tube.
- Camera should be installed on the wall in which cement is completely dry.
- If installed during winter season at temperature below  $-5^{\circ}$ , condensation might be generated inside monitor and camera due to temperature difference between indoors and outdoors. To prevent breakdown due to such condensation, connection should be made in 2 hours or more after installation.
- Do not install monitor and camera in locations subject to direct heating as harmful gases may subsequently be emitted in significant amounts.
- The apparatus shall not be expose to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



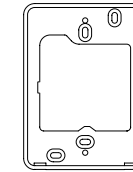
※ Stopping up pipe as above minimizes temperature difference between indoors and outdoors, and also eliminates moisture and condensation on door camera window.

## Component

### ● Monitor & Camera

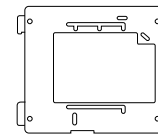


### ● Camera Accessories



- Main body supporter

### ● Monitor Accessories



- Wall hanger panel

※ Wall hanger panel is packed in the Monitor

- Screws for fixing  
4 x 30mm

- finishing rubber

- Screw for fixing camera main body supporter  
4 x 10mm

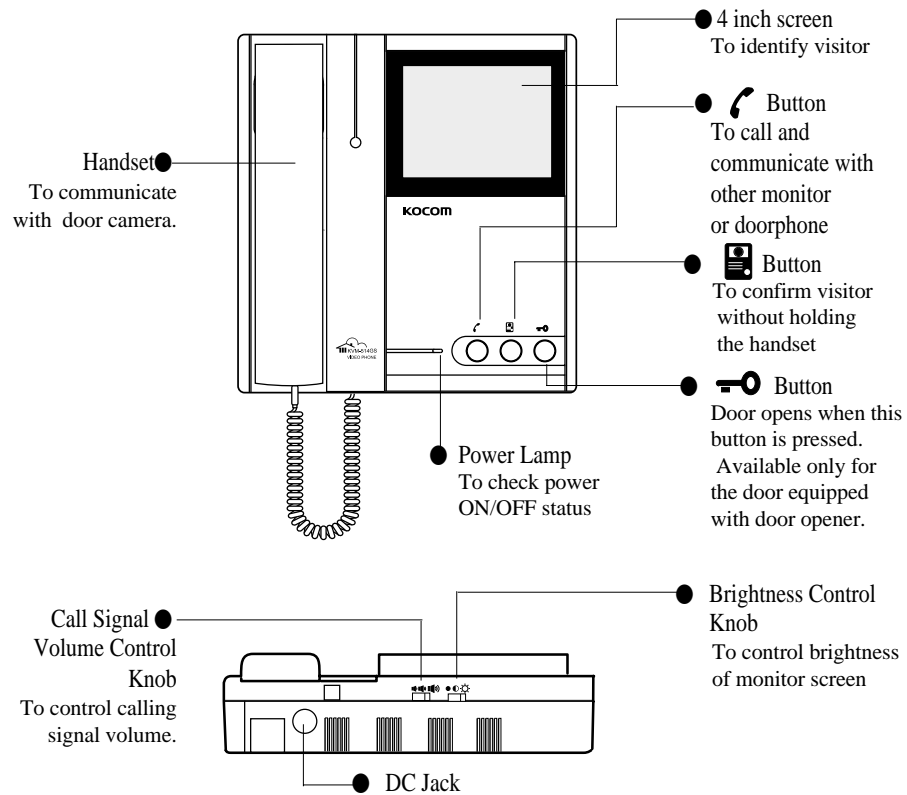
- Screws for fixing camera  
4 x 16mm

## Specifications

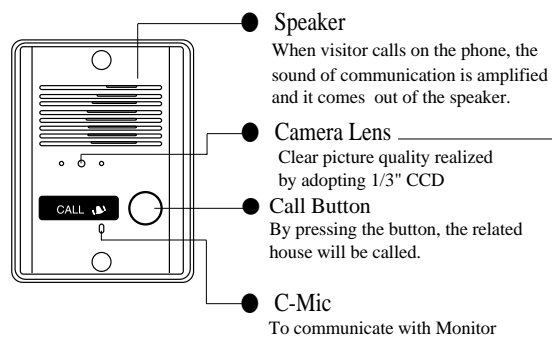
MONITOR KVM-514GS	<b>Power source</b>	DC17V $\pm$ 1V		
	<b>Power consumption</b>	Max:16W Standby 1.6W		
	<b>Ambient temperature</b>	0 $^{\circ}$ C~+50 $^{\circ}$ C		
	<b>Braun tube</b>	4 inch Flat Tube (B/W)		
	<b>Communication system</b>	Duplex handset conversation		
	<b>Call signal sound</b>	Electric sound(Ding-dong from camera / beep sound from monitor)		
	<b>Output Impedance</b>	Picture : 75ohm, Voice : 600ohm		
<b>Wiring</b>	4 Wired in Polarity (VCC / GND/VOICE / VIDEO )			
<b>Max Wiring Distance</b>	4 Wired in Polarity (VCC / GND/VOICE / I.P VCC )			
<b>Dimension</b>	$\phi$ 0.65 Single Cable/50m, 5C-2V Coaxial Cable/100m			
	KC-D20	KC-B61		
Metal Pinhole Camera KC-D20	<b>Power source</b>	DC12V $\pm$ 1V(power from Monitor)		
	<b>Power consumption</b>	Max: 2.5W		
CAMERA KC-B61	<b>Assurance temperature</b>	-10 $^{\circ}$ C~50 $^{\circ}$ C		
	<b>Scanning frequency</b>	(H) 15.734/15.625KHz,(V)50Hz (CCIR)/60Hz (EIA)		
	<b>Lens</b>	F:2.0, f=3.0mm	F:2.0, f=2.9mm	
	<b>Min. Illumination</b>	0.1Lux (LED ON)		
	<b>Dimension</b>	88(W) $\times$ 127(H) $\times$ 32(D)mm		96(W) $\times$ 127(H) $\times$ 32(D)mm
	<b>Illumination</b>	Infra-red LED		
<b>Angle of picture</b>	Diagonal 90 $^{\circ}$		Diagonal 120 $^{\circ}$	
<b>Color of KC-D20</b>	Black or Silver			

## Name of each part

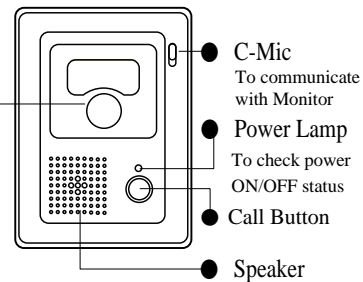
### ■ KVM-514GS Monitor



### ■ KC-D20 Metal Pinhole Camera

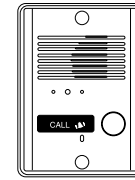


### ■ KC-B61 Camera

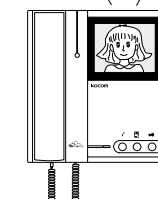


## How to operate (Instruction for operating)

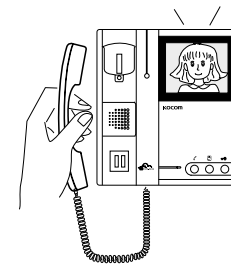
### ■ Identifying and talking to visitors




When visitor presses the call button of door camera.




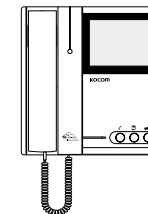
1. Call signal rings from the monitor, while screen is turned on and visitor is appeared automatically.




2-1 Hold handset and identify visitor. Then, communicate with visitor. And, unless you replace handset within 1 minutes, the monitor screen is turned off automatically.

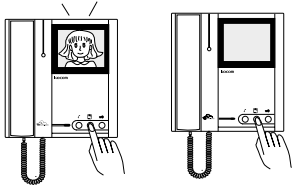
2-2 When the handset is held on and the call is made from the camera, press  button on the monitor. then communicate with visitor.



2-3 While communicating with camera, if the internal call is made from the extended monitor or doorphone, the beep signal sounds in 5 sec. and disconnected with the camera automatically. Then you can communicate with extended monitor or doorphone after pressing  button on the monitor.



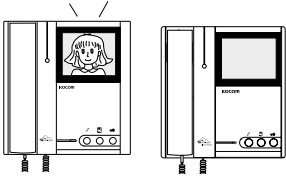
3. After communication replace handset. However, if conversation continue more than 3minutes, monitor screen is turned off automatically. And if you want to communicate more time, press  button again.

## ■ Checking out door side - Don't need to hold handset



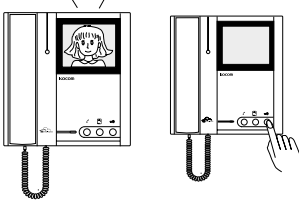
1. If press  button on the monitor, screen is turned on automatically. And, you can check out door side.
2. After checking, screen is turned off as pressing  button again.
3. After internal call is made, the monitoring is not available for 60 sec.


## ■ Identifying visitors



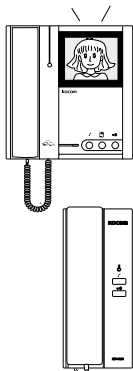
1. If press call button on the door camera, the screen is turned on automatically. And, you can check out door side.
2. At this time, you can easily identify visitors without lifting handset. ( After 60sec., Monitor screen is turned off automatically)


## ■ Opening door automatically (Regardless of handset status)




1. For this purpose, automatic AC doorlock should be first installed on the door and then connected with video doorphone.
2. After communication with visitor, press , and the door is automatically opened

## ■ Internal call and intercom function




Hold on handset and press  button on the monitor. Then the call signal sounds from the extended monitor or doorphone.

And if it is answered from the extended monitor or doorphone you can communicate.

In case the handset of the extended monitor is held on, and  button on the extended monitor is pressed, you can communicate.

During internal communication, if the call is made from the camera, the beep signal sounds in a sec. and the call signal from the camera sounds.

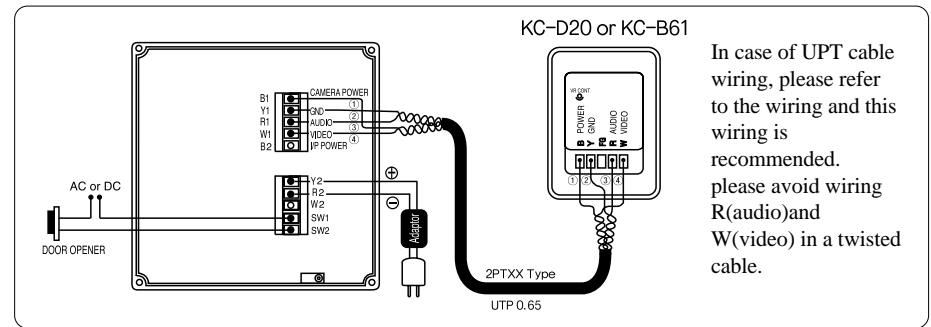
At same time the monitor is disconnected automatically with extended monitor or doorphone

Then if you press  button on the monitor, you can talk with visitor

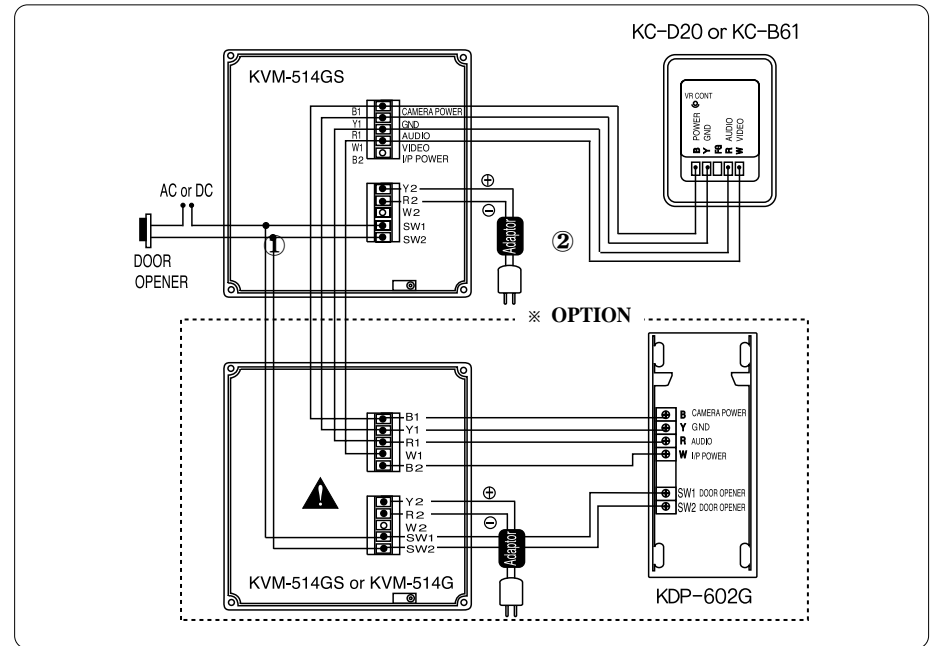
### ※ Caution

When additional monitor and door phone are connected to the monitor, as doorphone has no security function, the conversation between 2 monitors can be heard from the extended doorphone without notice.

## Video Doorphone Wiring Diagram



In case of UPT cable wiring, please refer to the wiring and this wiring is recommended. please avoid wiring R(audio)and W(video) in a twisted cable.



- For the dotted line ① in TIV 1.6 must be used
- For the dotted line in TIV 0.65 must be ② used. (Max. cable distance 50m)

Transmission	4-wired Wiring
Cable Distance	TIV0.5φ : Max. 20m
	TIV0.6φ : Max. 30m
	TIV0.65φ : Max. 50m
	Coaxial cable : Max. 100m

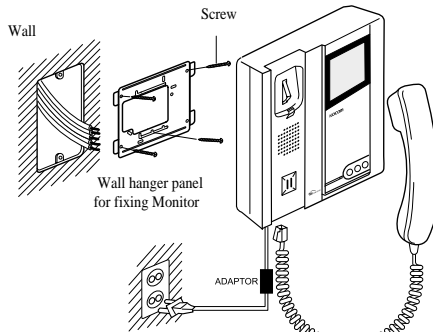


### Caution for wiring

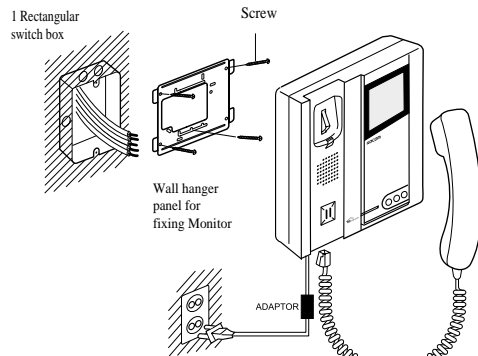
- Available video doorphone wiring with TIV 0.65mm is less than 50m in length.
- Connecting wiring between monitor and door camera should not be installed near other electrical cable, nor be horizontal. (In such case, clear picture can not be expected due to interruption by electrical noise)

## Monitor Installation

### Basic Installation method of Monitor

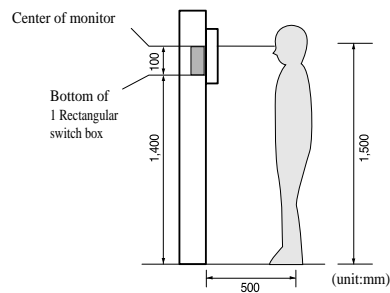


### When system is attached to 1 rectangular switch box



### Standard height monitor

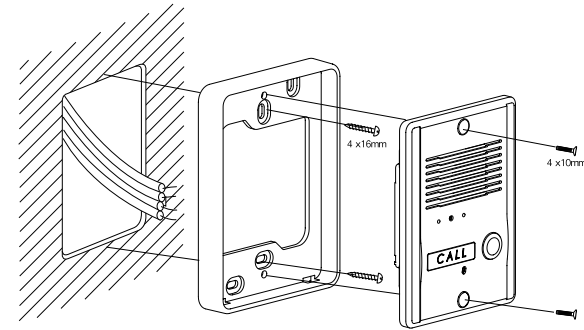
- Standard height of monitor is ranged 1,450 ~ 1,500 from bottom to the center of monitor screen.
- For installation, avoid the places where there is any excessive humidity, magnetic force, dangerous chemicals, direct ray of sun, and any places near a heater which can cause break down.



## Door camera Installation

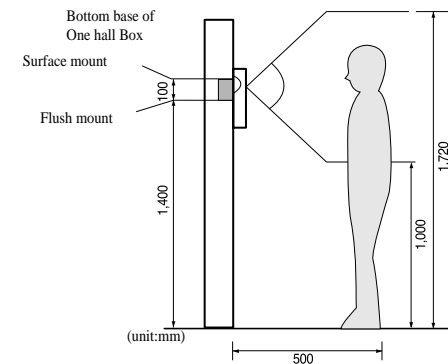
### KC-D20 Surface-mounting Door Camera Installation

#### Straight Ahead Installation



After attach the body supporter with 2 screws, put the Door Camera into the grooves of body supporter, and then fix it with 2 screws and stick the finishing materials.

### Standard Height of Door Camera



- Standard height of the door camera is 1,400mm ~ 1,450mm from the bottom of one camera to the floor.
- In case that the height of Door camera exceeds the range of min. 1,250mm~1,550mm, it is impossible to control the screen picture with only the lens angle, and therefore, be careful of the height of camera installation.