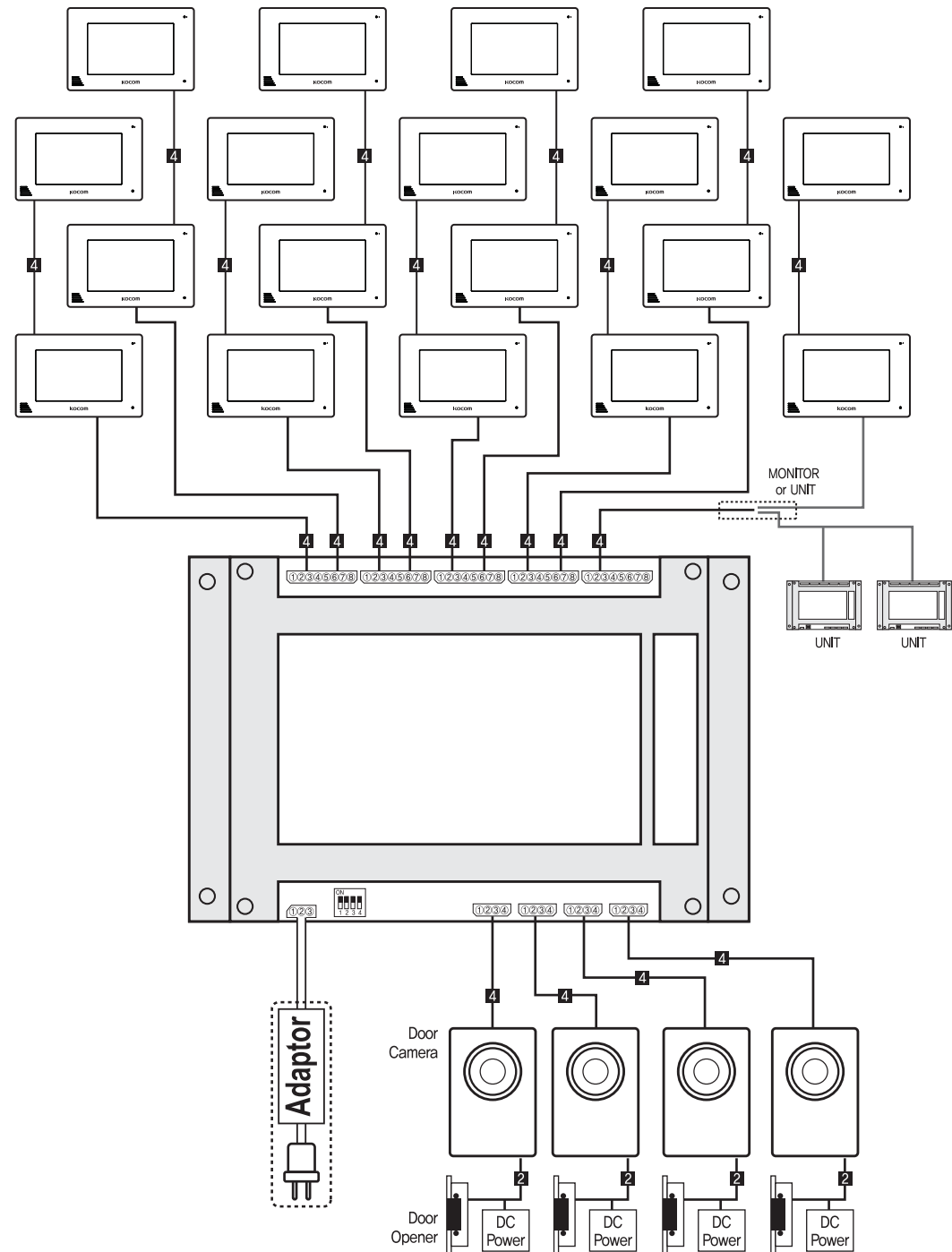
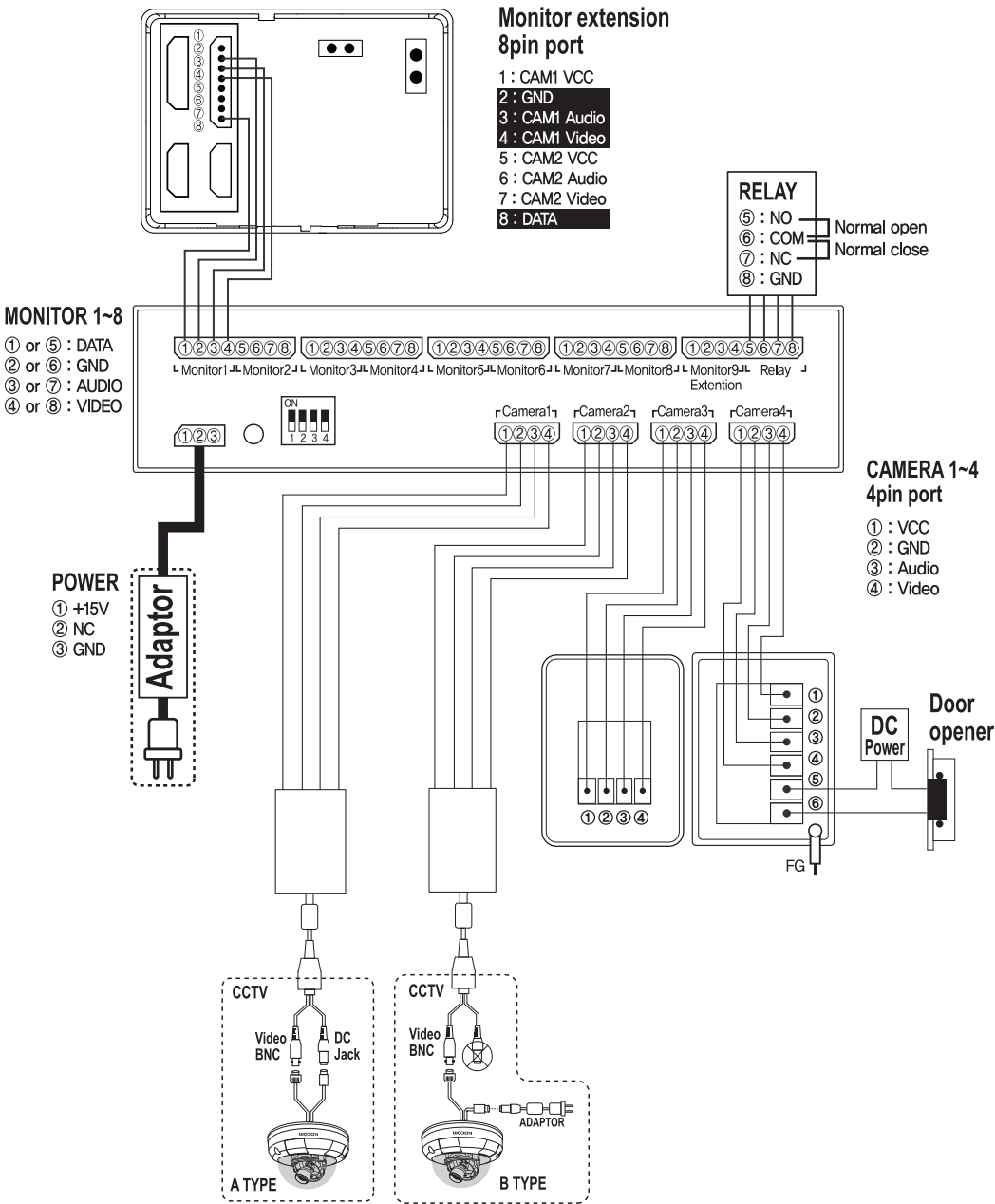


System Diagram (MAX)



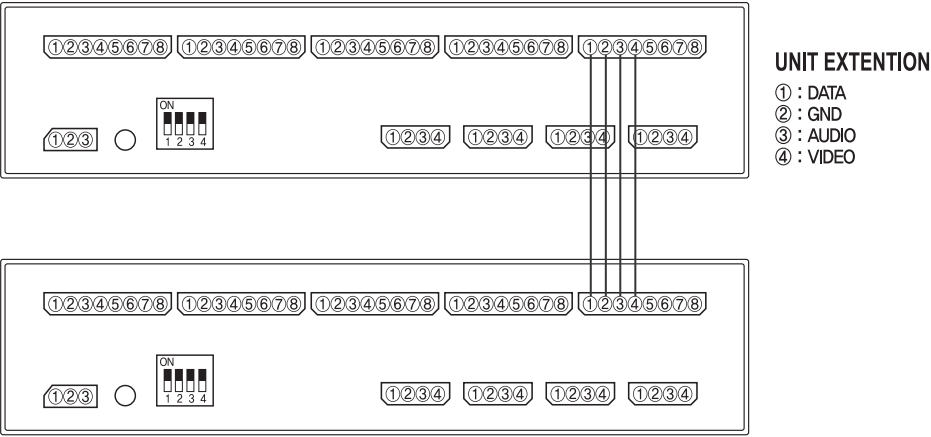
Wiring Diagram

■Wiring Diagram – DC POWER, CAMERA, RELAY, MONITOR 1~8



Wiring Diagram

■Wiring Diagram – UNIT EXTENSION



■Wiring Diagram – CABLE REQUIREMENT

CAMERA TO MONITOR WIRIRNG

■ Upto 100m : CAT5 cable

- Orange : ①VCC double up
- Brown : ②GND double up
- Green : ③Audio double up
- W/Green : ④Video double up
- Blue : ⑤VCC double up
- W/Blue : ⑥GND double up
- W/Brown : ⑦Audio double up
- W/Orange : ⑧Video double up

■ Upto 50m : TIV 0.65mm² cable

■ Upto 100m : TIV 0.8mm² cable

■ Upto 150m : TIV 0.8mm² cable+RG-59/U

RG-59/U (coaxial cable) for video signal
(connect core to Video & shield to GND)

※Based on distance from a camera to the monitor

※CAT5 wire configuration

※In case of more than 50m of CAT5 cable length, the screen and voice quality can get lower.

But the symphom is not a kind of fault. So less than 50m is recommended.

※According to outside environment, you may view the images somewhat unclear.

However, they do not result from any defect or trouble of the product.

UNIT TO UNIT 4PIN PORT WIRIRNG

■ Upto 20m : CAT5 cable

- Orange : ①DATA double up
- Brown : ②GND double up
- Green : ③Audio double up
- W/Green : ④Video double up
- Blue : ⑤VCC double up
- W/Blue : ⑥GND double up
- W/Brown : ⑦Audio double up
- W/Orange : ⑧Video double up

■ Upto 10m : TIV 0.65mm² cable

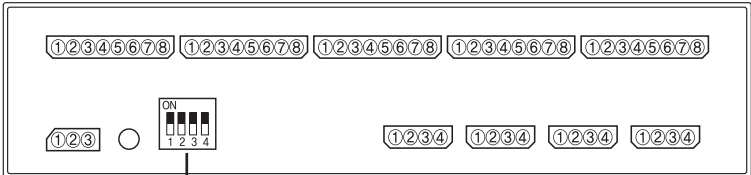
■ Upto 20m : TIV 0.8mm² cable

■ Upto 20m : TIV 0.8mm² cable+RG-59/U

RG-59/U (coaxial cable) for video signal
(connect core to Video & shield to GND)

Functional Description

■Wiring Diagram – Dipswitch setting



SW	Name	Brief description
①	Default OFF	
	ON	Monitoring 1~4 camera in 15 second intervals
②	Default OFF	Monitoring Master Mode
	ON	Monitoring Slave Mode
③ ④	Default OFF OFF	CAMERA 1 SELECTION FOR Monitoring BY ONING SW②
	OFF ON	CAMERA 2 SELECTION FOR Monitoring BY ONING SW②
	ON OFF	CAMERA 3 SELECTION FOR Monitoring BY ONING SW②
	ON ON	CAMERA 4 SELECTION FOR Monitoring BY ONING SW②

※Master/Slave Mode → When more than 2 KU-ESA are connected in a single system, please select camera you would like to monitor and set one of the KU-ESA you will connect the camera as Master. And set the others as Slave. Monitoring cameras connected to Slave KU-ESA is not possible.

※MONITORING → Monitoring one camera selected of Master KU-ESA is possible.