



SEC-UNIT20

**QUAD PROCESSOR
WITH 4 CAMERAS**



MANUAL

ENGLISH



Introduction:

EN

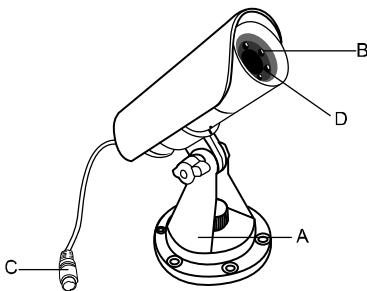
CCTV quad processor with 4 colour cameras. The ideal system for security and observation. The processor is equipped with many settings for every situation and personal preferences. Brightness, contrast and sharpness is adjustable for every camera. Cables and remote control are included. Suitable for every TV and video (harddisk) recorder.

Packaging contents:

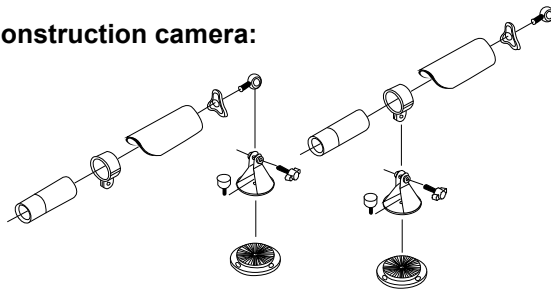
- 1x Quad processor
- 1x Remote control
- 4x Colour camera with mounting bracket
- 4x 8,5m cable
- 1x Video cable
- 1x 12V DC adapter

Description camera:

- A. Mounting bracket
- B. IR LED
- C. DIN connector
- D. Camera lens

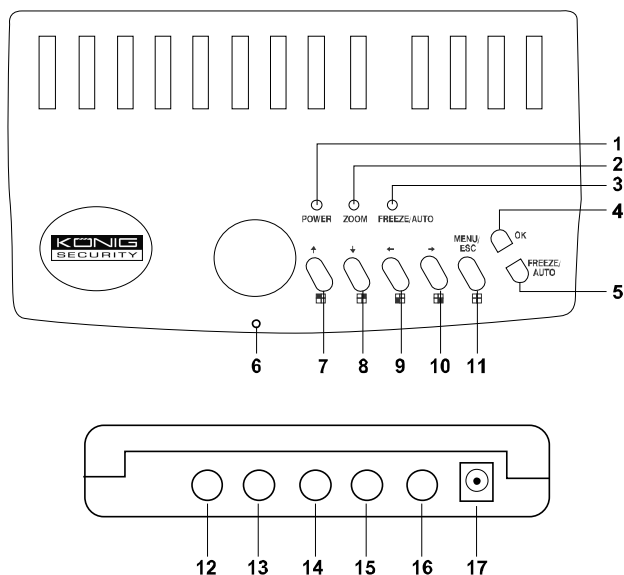


Construction camera:



Description processor:

EN



1. Power LED
2. Zoom LED
3. Freeze/Auto scan LED
4. Ok/Enter button
5. Freeze/Auto scan button
6. Infrared eye
7. Camera 1 button
8. Camera 2 button
9. Camera 3 button
10. Camera 4 button
11. Quad/menu/ESC
12. Video output
13. Input camera 4
14. Input camera 3
15. Input camera 2
16. Input camera 1
17. 12V DC input

Function buttons processor:

EN

When a button is pressed, the corresponding LED will light up.

1. Press button FREEZE/AUTO for 2/3 seconds to get the sequential displays of camera 1, camera 2, camera 3, camera 4 and Quad.

Press the button to freeze the picture, press again to undo.

2. Press MENU button for 2/3 seconds to enter SETUP MENU. Use this button also for EXIT (ESC).

3. Press button (7)



to get full screen for

camera 1. This button can also be used in the menu for moving the cursor up/left.

4. Press button (8)



to get full screen for

camera 2. This button can also be used in the menu for moving the cursor down/right.

5. Press button (9)



to get full screen for

camera 3. This button can also be used in the menu to setup the value or for moving the cursor left.

6. Press button (10)



to get full screen for

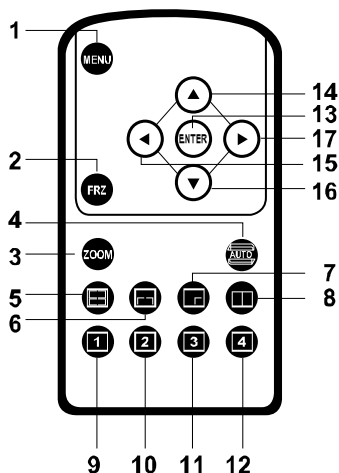
camera 4. This button can also be used in the menu to setup the value or for moving the cursor right.

7. Press OK to enter the select subject in the menu.

Description remote control:

EN

1. Menu
2. Freeze
3. Zoom
4. Auto
5. Quad mode
6. PIP 2
7. PIP 1
8. Split screen
9. Camera 1
10. Camera 2
11. Camera 3
12. Camera 4
13. Enter
14. Move up
15. Move left
16. Move down
17. Move right



Function buttons remote control:

1. MENU:

See menu setup.

2. FREEZE:

Push to freeze the picture. Press again to undo.

3. ZOOM:

Press ZOOM to activate the zoom function.

Press $\uparrow$ $\downarrow$ $\leftarrow$ $\rightarrow$ buttons to choose the zoom area.

Press ENTER.

Press $\uparrow$ $\downarrow$ $\leftarrow$ $\rightarrow$ buttons to move the picture within the zoom area.

Press ENTER to return and choose a new zoom area.

Press ZOOM for exit the zoom function.

4. AUTO:

Press AUTO to get the sequential displays of camera 1, camera 2, camera 3, camera 4 and Quad.

5. QUAD:

Press QUAD button if picture is in full screen mode to display pictures in quad screen.

6. PIP (2x Picture in Picture):

Camera 1 is the factory setting for full screen and camera 2 is the left PIP and camera 3 is the right PIP.

7. PIP (1x Picture in Picture):

camera 1 is the factory setting for full screen and camera 2 is the PIP.

8. SPLIT SCREEN:

Press to view 2 cameras at the same time.

Camera1 is left screen. Camera 2 is right screen.

9. CAMERA 1:

Press to view full screen of camera 1.

10. CAMERA 2:

Press to view full screen of camera 2.

11. CAMERA 3:

Press to view full screen of camera 3.

12. CAMERA 4:

Press to view full screen of camera 4.

13. ENTER:

Push to confirm settings.

14. CURSOR UP.

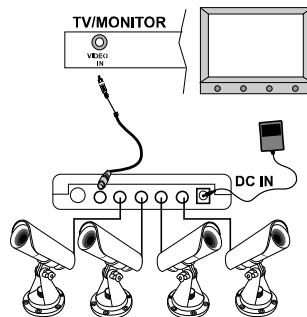
15. CURSOR LEFT.

16. CURSOR DOWN.

17. CURSOR RIGHT.

Installation processor:

1. Connect video cable to input of TV, monitor or recorder.
2. Connect all cameras.
3. Connect AC/DC adapter.



Menu setup:

(with use of remote control)

EN

A. Main menu:

1. Press MENU to enter main menu.
2. Press **↑ ↓ ← →** buttons to select the section.
Press ENTER to enter the section.
(Press MENU for exit).

B. System setup:

1. Date/time: press **↑ ↓** to move the cursor to the desired setting. Press **← →** to adjust the value.
 2. System format: choose PAL/NTSC
 3. Key lock: to lock the buttons on the processor.
 4. Factory reset: to reset to factory setting.
- Note: use left and right cursor to change setting.
(Press MENU for exit this subject).

C. Display setup:

1. Display on screen: to show title/date/time on the screen. Push ENTER to enable.
 2. Screen position: to adjust the screen by adjusting X (horizontal) and Y (vertical).
 3. Border colour: to change the colour of the borders.
- Note: use left and right cursor to change setting.
(Press MENU for exit this subject).

D. Auto sequence:

1. To enable or disable auto sequence function.
 2. The quad function and each camera can be set to ON or OFF (SKIP).
 3. The switching time for the quad function and each camera can be set from 1 second to 99 seconds.
- Note: use left and right cursor to change setting.
(Press MENU for exit this subject).

E. Camera setup:

1. Camera: press ← → to select the camera.
2. Title: press ↑ ↓ to move the cursor and press ← → to adjust character.
(note: go through all characters to enter next setting).
3. Press ↑ ↓ to select brightness, contrast, saturation, hue and sharpness.
4. Press ← → to set the desired value.
5. Mirroring: to set the picture as a mirror image.
(Press MENU for exit this subject).

F. Motion setup:

1. Camera: press ← → to select the camera.
2. Press ↑ ↓ to enter next setting.
3. Detection time: to enable / disable detection of the cameras by motion. Always ON/OFF or by time setting.
4. Set sensitivity and velocity of the detection.
5. Masking area: to disable parts of the area which not need to be detected.
(Press MENU for exit this subject).

G. Event setup & Event report:

1. An alarm and event report can be set up for each camera. Select with the cursor buttons the settings for each camera.
2. Loss: if any camera loose signal, the report will go to Event report.
3. Motion: any motion detected by the camera, the report will go to Event report.
4. Buzzer hold time: to enable or disable buzzer function and can be set from OFF to 99 seconds.
5. Report hold time: to enable or disable the report function and can be set from OFF to 99 sec.
6. In the system 6 pages are available for "EVENT REPORT".

7. Report can be deleted by selecting "YES" in LIST CLEAR section.
8. To exit, press MENU button again.
9. Press any button except "OK" on the processor to clear the alarm noise.
10. Alarm / Alarm Polarity: to enable the power on alarm, all 4 alarm checks should be ticked together with alarm polarity to be set "High".

Specifications:

Camera:

IR LED: 11

Video Format: NTSC/PAL

Resolution: 330 TV Lines

Lens: 6.0mm/ F2.0 Fixed Focus

Image Sensor: 1/3" CMOS

Operation Temp: -10~50C

Power Consumption: 0.22W

Video Output: 1 Vp-p/75 ohm

Pixel: 860x525 60Hz (NTSC), 860x625 50Hz (PAL)

Illumination: 3< LUX w/ F2.0 Fixed Focus

E Shutter Speed: 1/60 to 1/15,000 second

S/N Ratio: >48db

Size (mm): 105x55x86 mm

Accessories: 8,5m cable for each camera

Processor:

Channel Scan Period: 1-99sec (adjustable)

Video Format: NTSC/PAL

Power Consumption: 100mA

Power Supply: DC 12V /1A Adapter

Video Input: DIN x 4

Video Output: DIN x 1

Size (mm): 218x202x44 mm

Accessories: DC 12V/1A Adapter

Safety precautions:

To reduce risk of electric shock, this product should ONLY be opened by an authorized technician when service is required. Disconnect the product from mains and other equipment if a problem should occur.

Warranty:

No guarantee or liability can be accepted for any changes and modifications of the product or damage caused due to incorrect use of this product.

General:

Designs and specifications are subject to change without notice.

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