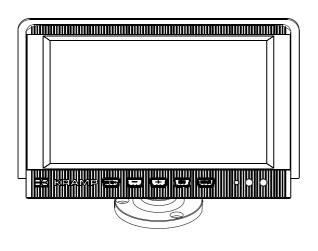
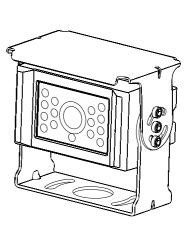


KRAMP





- UK 7-inch camera system
 DE 7-Zoll-Kamerasystem
 FR Système de caméras 7"
- NL 7-inch cameraset
- ES Sistema de cámaras de 7 pulgadas
- IT Sistema di ripresa video da 7"
- PT Sistema de câmaras de 7"
- CZ 7" kamerový systém
- SK 7-palcový kamerový systém
 PL 7-calowy system monitoringu
- HU 7"-es kamerarendszer
- RU Система с камерой с 7-дюймовым монитором



UK

Features

Monitor

The 7" colour TFT LCD monitor is designed for automotive vehicle rear view applications.

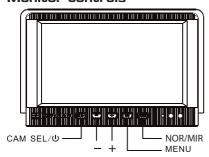
- Video signal (V1/V2) can be selected by pressing CAM SEL / U button on the monitor.
- Mirror / Normal image can be set by simply pressing the MIR button on the monitor.
- With built in speaker.
- With remote controller.
- Foreign languages menu optional (English, French, German, Dutch).
- With high-low voltage and short-circuit protection.

Camera

The colour camera is designed for heavy-duty applications.

- You can use the camera by a DC 12V/200mA.
- The camera is automatically powered when the system is turned on.
- The camera utilises a CCD image sensor with a high quality picture.
- The camera automatically adjusts the picture according to light conditions.
- Water resistant housing.
- Operates over a wide temperature range.

Monitor controls



1. CAM SEL / U

: power ON/OFF the system

CAM SEL : this button is used to select between camera 1 and camera 2.

2. MENU

Menu is activated and selected in the order.

Colour: Adjust the colour for the monitor

Bightness: Adjust the brightness for the monitor

Contrast: Adjust the contrast for the monitor

Volume: Adjust the volume for the monitor

Language: Select the language: English, French, German, Dutch

Return: Press this button to exit the OSD menu

Important

a. Press "-" or "+" to select the item, then press "MENU" button to confirm, the item is selected, then press "-" or "+" to adjust the specification on this item.

b. Please do not mix PAL and NTSC cameras.

3. MIR

You can select Mirror/Normal image by simply pressing the MIR button on the monitor.







Remote control

Power on / off the system
MENU Menu function & confirm function

QUAD Reserved

Move upwards

V Move downwards

> Selection key "plus"

< Selection key "minus"

SHIFT Reserved

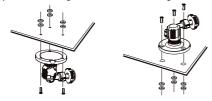
CAM 1 Selection camera 1 CAM 2 Selection camera 2



Distance for remote controller: within 5 metres. Angle for remote controller $\pm 30^{\circ}$.

Monitor installation

- Install the monitor on a surface which will support more than 4kg (9Lbs) of weight.
- Install the monitor away from a speaker mounted in the vehicle, so the picture is not distorted by the speaker's magnetic field.
- Do not instal the unit in an extremely hot or humid place (radiator, air-duct, etc.) or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- The monitor is not waterproof.
- 1. Attach the supplied mounting bracket to the celling or the floor, etc.



2. Adjust the angle of the monitor and fasten the screws firmly.





Camera controls



Camera installation

Attach the supplied mounting bracket to the vehicle. Adjust the angle of the camera and fasten the screws firmly.



Mount the camera with the sun-shield on the mounting bracket when installing.



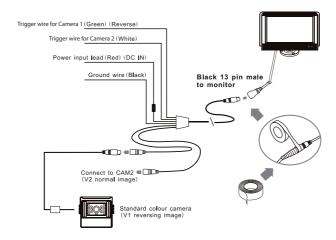






Connection

- Connect the RED wire to the positive (12V or 24V DC) power terminal which corresponds with the ingnition key in the accessory
 position.
- Connect the BLACK wire to a suitable negative connection point on the vehicle.
- Connect the GREEN (video 1 trigger) wire to the switched power output terminal of the "R" (reverse) gear. Trigger is always
 priority.



CAUTION

- Before making the connection, disconnect the ground terminal of the vehicle battery.
- Make sure that all the connectors are connected firmly!
- If your vehicle has been parked in direct sunlight resulting in a considerable rise in temperature inside the vehicle, allow the unit to cool off before operating.

Cleaning and general maintenance

- · Power off before cleaning.
- Do not use liquid or aerosol cleaners.
- Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finsh of the unit.

Ventilation

Holes in the the back or bottom of the monitor are provided for ventilation, and ensure reliable operation of the monitor equipment. These holes must not be blocked or covered.

Object and liquid entry

Never push objects of any kind into this monitor through holes as they may touch dangerous voltage points or short-out parts, that could result in a fire or electric shock. Never spill liquid of any kind on product.

Service

Do not attempt to service this system yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

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Specifications

Monitor

LCD profile wide screen ratio

Wide view angle (CR>10)

70/70 (up/down)

50/70 (left/right)

Resolution

16:9 [7"]

70/70 (up/down)

80/70 (left/right)

| Storage temperature range |

Dimension 190(L)*125(W)*38(D)
Weight approx 400±10g

Camera

| Image type | Colour sony CCD | Resolution | PAL: 500 (H) x 582 (V) | NTSC: 510 (H) x 492 (V)

1/4 inch Image size 2.6mm, F2. 0 Lens Lens Angle 88,2° Internal Synchronization 420 TV lines Horizontal resolution Power supply DC 12V±10% Power Consumption ≤2.5W ≽48dB Signal to noise ratio -20°C~+70°C Operating temperature range -30°C~+80°C 76(L)*73.5(W)*54.5(D) Storage temperature range Dimension Weight 260g

Accessories in kit:

Extension Cable (for camera) x1pc
Monitor Bracket x1pc
3M Y cable (monitor 2 inputs) x1pc
Sunvisor (monitor) x1pc
Remote controller x1pc
Fastener kit x1pc

