

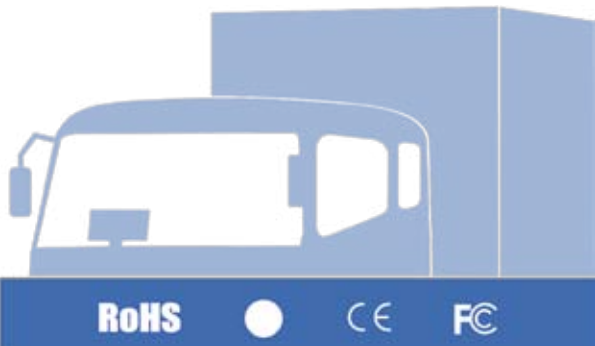


MEKRA Monitor MCM 2070

7" QUAD SPLIT



USER MANUAL



SAFETY AND INSTALLATION INSTRUCTIONS

- Secure the monitor in such a way that it can not become loose under any circumstances (sudden braking, accidents) and cause injuries to the occupants of the vehicle.
- Do not attach the monitor in the area that may be used by an airbag, as this could cause injury if the airbags are triggered.
- Do not open the monitor.
- Do not submerge the monitor in water; the monitor is not waterproof. The monitor may not impair your vision when driving.
- Do not operate the monitor if the housing has been damaged. Connect it to the correct voltage.
- Do not press the LCD display.
- Do not drop the monitor.
- The picture quality can be impaired in the vicinity of electromagnetic fields. For this reason do not mount the monitor near loudspeakers.

FEATURES

The 7" color TFT LCD monitor is designed for automotive vehicle rear view system.

- Quad interface function is built inside the monitor
- Support up to four camera inputs
- With built-in speaker
- With remote controller
- Automatically adjust the display mode according to the quantity of camera inputs
- Single screen / Split screen / Triple screen / Quad screen is selectable.
- Trigger priority: CAM1 > CAM2 > CAM3 > CAM4
- Seven languages OSD display
- Mirror/Normal image can be set in the MENU for each camera separately
- With high-low voltage and short-circuit protection

MONITOR CONTROLS

1. MODE

Press the MODE button to select between the display modes (Single screen, split screen, triple screen, quad screen).



2. MENU

Menu is activated and selected in the order.

- Brightness:** Adjust the brightness for the monitor.
- Contrast:** Adjust the contrast for the monitor.
- Color:** Adjust the color for the monitor.
- Volume:** Adjust the volume for the monitor.
- Language:** Select the language: English, French, German, Spanish, Portuguese, Italian, Polish.
- Mirror:** The camera image is mirrored.
- Video:** PAL/NTSC video format is selectable.
- Exit:** Press this button to exit the OSD menu.

REMARKS

- Press "-" or "+" to select the item, then press MENU button to confirm the item is selected, then press "-" or "+" to adjust the specification of this item.
- Volume can't be adjusted under Split mode/Quad mode.

3. DAY/NIGHT

Day mode/Night mode selection.

4. CAM SEL/



power on/off the system.

CAM SEL: In single screen mode, this button is used to select between camera1, camera2, camera3, camera4.

In split screen mode, this button is used to select between cameras1/2, 2/3, 3/4 and cameras 4/1.

In triple screen or quad screen mode, this button has no function.

Camera selection is possible only if no trigger wire is occupied.

REMOTE CONTROLLER



Power on/off the system

MENU: Menu function & confirm function

QUAD: Screen display to be QUAD mode

▲: Move upwards

▼: Move downwards

>: Selection key „Plus“

<: Selection key „Minus“

SHIFT: Camera switch function under SPLIT mode / SINGLE mode

CAM1: Selection camera1

CAM2: Selection camera2

CAM3: Selection camera3

CAM4: Selection camera4



REMARKS

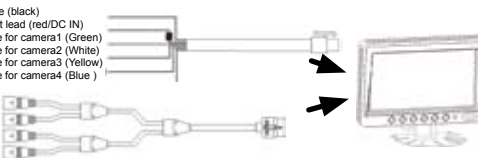
Distance for remote controller: within 5 meter.

Angle for remote controller: ±30°

CONNECTION

Ground wire (black)
 Power input lead (red/DC IN)
 Trigger wire for camera1 (Green)
 Trigger wire for camera2 (White)
 Trigger wire for camera3 (Yellow)
 Trigger wire for camera4 (Blue)

Camera1
 Camera2
 Camera3
 Camera4



OPERATION INSTRUCTION

When you turn the ignition key to the accessory or on position, the power is supplied, no image will be displayed on the monitor, press „CAM SEL/“ button to power up the system or make the reversing gear engaged to power up the system.

CLEANING AND GENERAL MAINTENANCE

- If your vehicle has been parked in direct sun light resulting in a considerable rise in temperature inside the vehicle, allow the unit to cool off before operating.
- Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

CLEANING

Unplug or power off mode before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

VENTILATION

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

OBJECT AND LIQUID ENTRY

Never push objects of any kind into this monitor equipment 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 of product.

SERVICING

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

FCC COMPLIANCE & E-MARK STATEMENT

NOTE

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio in which case the user will be required to correct the interference at this own expense.

CAUTION

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SPECIFICATIONS

MONITOR

LCD profile wide screen ratio	16:9 (7")
Wide view angle (CR>10)	40/40 (up/down)
.....	60/60 (left/right)
Resolution	336960 (pixels)
Brightness (cd/m)	350
Contrast ratio	300:1
Response time(ms) (at 25C)	20
Power requirement	12/24V DC
Power consumption	5W
Operating temperature range	-20C - +70C
Storage temperature range	-30C - +80C
Dimension	182 (L) * 124(W) * 39 (D)
Weight approx.....	520 (Including bracket)

ACCESSORY

Monitor bracket x1pc Silicon tape x1pc 2.3M Y cable x1pc Power harnessx1pc