

ALM-2452 2.4 GHz Wireless Mini Color Camera TX and RX

Operating Manual

Include: 1pc Mini. color camera Transmitter, 1pc Receiver, 1pc A/V Cable, 2pc Adapter, and 1pc battery case (for cameraTX)

2.4 GHz Video Mini. Color Camera TX:

One channel: 2.4 GHz Frequency band
RF output power: EC R&TTE compliant
Operating power: DC4.8-7.2V, regulated.
Power consumption: 100mA
Size: 18x34x20 mm
Antenna: Omni-directional antenna
Transmitting range: 300 M
Temperature: -10 to +50 deg.C

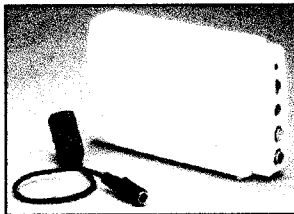
RECEIVER:

Frequency: 2.4 GHz frequency band.
Video input/output: 1Vp-p/75 ohm
Audio input/output: 0.8V/600 ohm
Antenna: 60 degree directional antenna
Audio bandwidth: 50 – 17000 Hz
Operating power: DC12V, regulated.
Power consumption: 180mA
Size: 150x88x40 mm

Smallest Color CMOS Camera:

- 1) Pixels: 365K (PAL), 250K (NTSC)
- 2) Resolution: Horizontal 380 TV Lines
- 3) Auto Electronic Exposure: 1/60 – 1/15000 sec.
- 4) Automatic Exposure/Gain/White balance.
- 5) Mini. Illumination: <3 Lux@ f 1.2
- 6) S/N Ratio:>48dB
- 7) Board Lens: 5.6mm
- 7) Field angle: 60 degrees
- 8) Size: 15x15 mm, board lens

R&TTE, EMC, LVD approved



Mini Camera TX: 18x34x20 mm

NOTE: Best results are achieved where there is clear “line of sight” between the mini camera transmitter and the receiver. Try to avoid obstacles such as trees, walls, cars, trucks and buildings. Transmitting over water and in the rain will reduce performance. Interference from certain electronic equipment or the moving human body can also effect the range obtainable.

For best reception position, the antennas of the transmitter and receiver 4.5 to 6 feet (1.5 to 2m) above the ground. Please test all devices before final installation because the transmission quality can often be improved by moving the components slightly.

Turn off the transmitter and receiver if the system is not in use.

Do not touch the antennas when the system is switched on.

Do not place the receiver behind a monitor.

INSTALLATION:

- 1) The Mini camera TX features omni-directional antenna which is most effective when used in the **UPRIGHT** position.
 - 2) Connect both the transmitter and receiver to their respective power supplies.
 - 3) Connect the receiver to the equipment you wish to transmit to [monitor, TV, VCR, ...etc.]
 - 4) After connecting both the mini camera TX and the RX to their respective power supplies, obtain the best picture by adjusting the position of the mini camera TX and the receiver unit to suit. Try slightly different locations of either unit for optimum results.
- * (Direct the antenna of the receiver towards the antenna of the transmitter. The integrated antenna inside the case of the receiver is located at opposite side of the connectors.)

IMPORTANT:

- 1) Use the attached power supply only.
- 2) Don't place above or near a heat source which may cause the equipment to overheat.
- 3) Avoid “Oily” locations.
- 4) Microwave ovens can cause interference and diminish the quality of the signal if the mini camera TX or receiver is located close by.
- 5) Beware of humid locations. Water droplets or spray may damage the units. If condensation does occur, do not use until the equipment has dried out.
- 6) Do not use in temperatures exceeding 55 deg.C.
- 7) Never paint or attach metallic labels and sticker of any kind.
- 8) Do not use two transmitters and receiver operating at the same time in the same area. This will result in picture and sound interference.
- 9) Don't cut of the DC jack power cable of the mini. camera transmitter to fit with other power source. It will damage the mini. camera TX.

TROUBLE SHOOTING:

- 1) Poor picture: Realign antennas, slightly adjust the position of the Mini camera TX or receiver. Reducing or increasing the distance between mini TX & RX.
- 2) Line only-no picture: Check to confirm there is no microwave oven or other 2.4 GHz equipment operating close by.
- 3) Picture ghosting: Check for interference caused by obstacles such as trees, buildings and shrubs, etc.
Select new mini camera transmitter and /or receiver site.
- 4) No picture: Check the receiver to confirm it is turned “ON” and the A/V connection of the RX is no opposite plugged in.

NOTICE: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation.