MK Series
WIDE-ANGLE CAMERA DOOR STATION

Model: MK-DS/B

INSTALLATION & OPERATION MANUAL

1 DESCRIPTION

MK-DS/B is a fixed position camera system, and installs with either master station with monitor MK-1MD/A or MY-2CD or other MY video monitor MY-CU, etc.

2 NAMES & FEATURES

Camera-angle adjustment (on back of unit)

Infrared CCD camera

Mic.

Locator LED

Speaker

3 INSTALLATION & WIRING

- Mounting location
MK-DS/B employs CCD camera and the performance can be affected by bright direct light, such as strong sunlight, gate light, or street or porch light which comes directly into the camera lens.

- Cable requirements

Parallel cable: YES

Coaxial cable: NO

- When camera height is too low
MK-DS/B is equipped with a camera-angle adjuster on back of the unit. Pull down the lever to adjust the camera angle up by 14°.

- Image view area

When camera is positioned horizontally:

When camera angle is upwardly adjusted:

- Package Contents

- Wide angle camera door station MK-DS/B
- Packet of screws
- Installation & Operation Manual

- Use a parallel conductor cable. Coaxial cable should not be used.

- When existing chime wires are used, it is possible that the wires may contain high voltage current. Locate and remove the AC transformer before actually connecting MK-DS/B.

- Extra pair(s) in the installed cable can affect image quality, and must be terminated with a 120 ohm resistor at each end on both MK-DS/B and MK-1MD/A, MY-2CD, etc., and also on both Master and Sub stations w/monitor.
MTech PRECAUTIONS

Mounting location
- MK-DS/B is weather-resistant, but for best results it should be protected from direct weather conditions.

Temperature
- MK-DS/B is rated to operate at temperatures between -10°C and 60°C (14°F and 140°F). When the outside temperature lowers rapidly, the camera lens may fog up slightly, causing a blurry picture at the inside monitor. The picture will return to normal shortly.
- Do not apply any caulk/seal around the video door station. The openings at bottom will allow moisture to dissipate.

Poor lighting conditions
- MK-DSB infrared illumination will produce light image of a caller when positioned within 50cm (20") in front of the camera, and will see in near darkness (1 Lux of light).

Cleaning
- Clean the unit with a soft cloth and neutral household cleanser. Do not use any abrasive cleaner or cloth.

SPECIFICATIONS

- Power source: DC 18V system. Power is fed by master station w/monitor.
- Camera unit: Infrared CCD camera.
- Scanning line: 525 lines.
- Image view area: 70cm (2.3") Vertical and 100cm (33") Horizontal at 50cm (20") distance.
- Minimum illumination: 1 Lux or less at same distance.
- Wiring distance:
  - Diameter: 0.65mm, 1.0mm, 22AWG, 18AWG
  - MK-DSB-MY-2CD: 100m, 200m, 330', 650'
  - Dimensions: 130H x 98 W x 37.5 D (mm)
  - Weight: 230g (0.51 lbs) approx.

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of two years after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the product. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls. 

Aiphone Co., Ltd., Nagoya, Japan
Aiphone Corporation, Bellevue, WA, USA
Aiphone Europe N.V., Antwerp, Belgium

MK-DSB-(E) 0701A

Providing Peace of Mind

Printed in Japan (E)