The MK-DVF-HID-I is an MK-series Black & White video door station and an HID iClass™ Card Reader, built onto the same stainless steel faceplate. The card reader provides electronic access to a building through a separate Access Control System, which is not supplied by Aiphone.

**INSTALLATION:**
1. For flush mounting, cut hole in wall and use supplied back box. Box dimensions are 4-½”W x 10-¾”H x 1-¾”D.
2. For surface mounting, use the SBX-DVF-P surface mount box. This box can mount to a standard 1-gang box or to any flat surface.

**Connecting the Reader to the Host:**
Connect the reader to the host according to the wiring table below and the host installation guide.

<table>
<thead>
<tr>
<th>Wiegand</th>
<th>Wire Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ DC (10-16V) Ground</td>
<td>Red</td>
</tr>
<tr>
<td>Data0</td>
<td>Black</td>
</tr>
<tr>
<td>Data1</td>
<td>Green</td>
</tr>
<tr>
<td>Shield Ground</td>
<td>White</td>
</tr>
<tr>
<td>Green LED</td>
<td>Drain</td>
</tr>
<tr>
<td>Red LED</td>
<td>Orange</td>
</tr>
<tr>
<td>Beeper</td>
<td>Brown</td>
</tr>
<tr>
<td>Hold</td>
<td>Yellow</td>
</tr>
<tr>
<td>---</td>
<td>Blue</td>
</tr>
<tr>
<td></td>
<td>Violet</td>
</tr>
</tbody>
</table>

20" pigtail cable
WIRING DIAGRAM:

MK-DVF-HID-I

MK-1GD

Output to Host
Access Control System

TESTING AND OPERATION:

- When power is applied to the iClass™ reader, the LED will turn RED while the beeper beeps simultaneously 3 times. (The last tone is a higher frequency). The LED will then flash once after the last tone. This indicates that the microcontroller is operating properly.

- Present an iClass ID card to the reader (Hold the card directly in front of reader). The LED will momentarily turn green while the beeper beeps once, indicating that the card was read successfully.

SPECIFICATIONS:

CARD READER:
- Power Source: 10 ~ 16V DC (linear recommended)
- Current Requirements: 80mA (Avg); 300mA (peak) @ 12V DC
- Transmit Frequency: 13.56 MHz
- Terminations: Color-coded pre-wired pigtails
- Wiring Distance: 500'
- Operating Temperature: -10°~60°C / 14°~140°F
- Operating Humidity: 5-95% relative humidity non-condensing

CAMERA:
- Camera unit: CCD Camera
- Scanning line: 525 lines
- Min. illumination: 1 Lux at 1'
- Terminations: Screw terminals
- Wiring Distance: 330' w/871802 wire 980' w/MYW-BA & 851602 wire
- Dimensions (camera): 5-¾" W x 11-⅝" H x 1-5/16" D
- With SBX-DVF-P: 5-15/16" W x 11-⅝" H x 2-13/16" D (Top) 1-15/16" D (Bottom)

FCC WARNING:
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.
2) This device must accept any interference that may cause undesired operation.
- For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
- The Reader is intended to be powered from a limited power source output of a previously certified power supply.