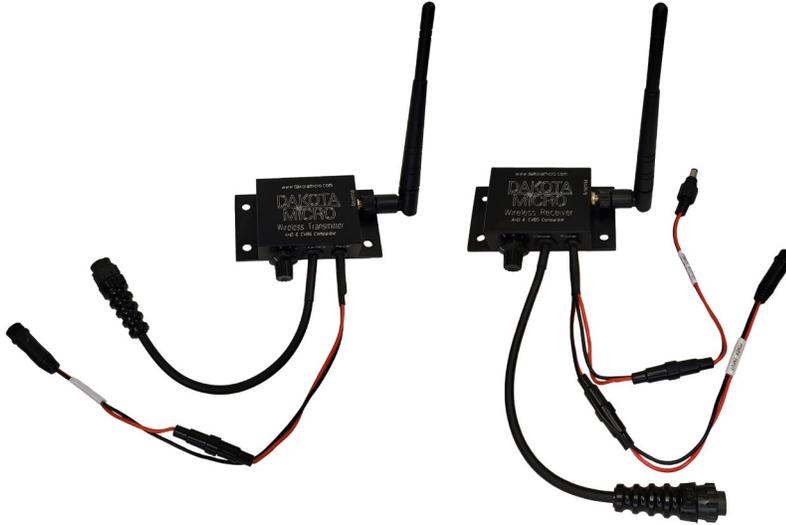


DAKOTA MICRO

User Manual

Dakota Micro® AHD/CVBS Wireless Transmitter and Receiver



DM Part Number(s)	Description(s)
DM-HTX	This Dakota Micro® kit includes one (1) AHD/CVBS wireless transmitter, one (1) 3dBi antenna, and power.
DM-HRX	This Dakota Micro® kit includes one (1) AHD/CVBS wireless receiver, one (1) 3dBi antenna, and power.

Table of Contents

Included Components.....	3
DM-HTX.....	3
DM-HRX.....	3
Before you Install.....	3
Standard Features.....	4
Parts of your AHD Wireless System.....	4
Waterproof Transmitter (PN: DM-HTX).....	4
.....	4
.....	4
Waterproof Receiver (PN: DM-HRX).....	4
.....	4
.....	4
.....	4
Installation.....	5
Installation Tips.....	5
Transmitter Installation.....	5
Receiver Installation.....	5
Optional External Antennas.....	5
Wireless 3dBi Antenna (Included).....	5
Wireless 5dBi Antenna (PN: DMAC-MA5).....	5
Wireless 7dBi Antenna (PN: DMAC-MA7-PM).....	5
Wireless 8dBi Omni-Directional Antenna (PN: DMAC-WA8).....	6
Wireless 8dBi Directional Antenna (PN: DMAC-WA8P).....	6

Included Components

AG-HTX

Description	Picture
Dakota Micro® AHD/CVBS Wireless Transmitter	
Dakota Micro® 2.1 Barrel Male to Auxiliary Power PN: DM-12V	
Dakota Micro® 2.1 Barrel Male Hardwired Power PN: DM-HDWRE	
Dakota Micro® 2.1 Barrel Male to Electrical Outlet Power PN: DM-PA3	
Dakota Micro® Wireless 3dBi Antenna PN: DM-RH3A	

AG-HRX

Description	Picture
Dakota Micro® AHD/CVBS Wireless Receiver	
Dakota Micro® 2.1 Barrel Male to Auxiliary Power PN: DM-12V	
Dakota Micro® 2.1 Barrel Male Hardwired Power PN: DM-HDWRE	
Dakota Micro® 2.1 Barrel Male to Electrical Outlet Power PN: DM-PA3	
Dakota Micro® Wireless 3dBi Antenna PN: DM-RH3A	

Before you Install

- Always read the manuals prior to operating this equipment and please follow all safety signs and precautions.
- To better understand your new wireless equipment, we recommend that you power both your transmitter and receiver in an indoor, controlled location (i.e. from one side of a room to another) to better get acquainted with the equipment before installing it in its permanent location.

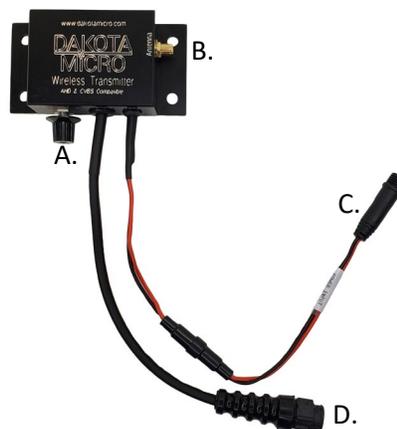
Standard Features

- Allows for easy wireless upgrade for your Dakota Micro camera system
- Your Dakota Micro monitor is conveniently powered by your receiver for mobile applications
- Wireless waterproof receiver supports up to four (4) wireless cameras/channels.
- Transmitters and Receivers are available for purchase individually
- Waterproof transmitters and receivers can be mounted outside in hot, cold, or wet conditions
- Transmits on powerful and reliable 2.4GHz bandwidth
- Optional antennas allow you to view cameras up to 1 mile away (with line of sight)
- Channel selection switch on receiver allows for easy access to multiple cameras
- Capable of transmitting and receiving both AHD and CVBS (Analog) video signals

Parts of your AHD Wireless System

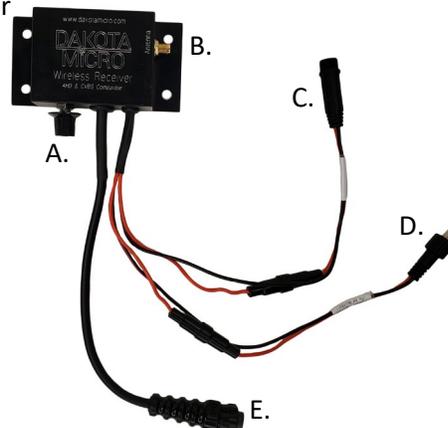
Waterproof Transmitter (PN: AG-HTX)

- AV Channel select (4 channels) – rotate dial to select channel, set transmitter and receiver to same channel
- Antenna Input (Reverse SMA)
- Power Input (DC Power In 3000mA) to power the Transmitter
- Power out to camera. Video signal in from camera.



Waterproof Receiver (PN: AG-HRX)

- AV Channel Select (4 channels)- rotate dial to select channel, set transmitter and receiver to same channel
- Antenna Input (Reverse SMA)
- Power Input (DC Power In 3000mA) to power the Receiver
- Power Output (DC Power Output 3000mA) to power the monitor (optional)
- Video Signal out to monitor



Installation

Installation Tips

- Always test equipment before installing to ensure proper signal strength and picture quality
- Line of sight means there are no obstructions such as buildings and tree belts. The fewer obstructions, the less interference to cause picture quality issues.
- There are several environmental conditions that may affect the range and quality of transmission. These may include electrical lines, Wi-Fi, wireless device signals like handheld radios, government agencies and radio stations. Therefore, Dakota Micro cannot guarantee any specific ranges.
- You may use Dakota Micro® cables to mount camera up to 120 feet from transmitter.

Transmitter Installation

1. Attach supplied 3dBi antenna or optional larger antenna (details on page 5 of manual) to Antenna Input (B).
2. Connect the provided A/C power adapter into the transmitter (C), then plug into outlet to power.
3. Plug the Dakota Micro® camera directly into the wireless camera input (D).
4. Make sure the channel selector (A) matches the receiver.

Receiver Installation

1. Attach supplied 3dBi antenna or optional larger antenna (details on page 5 of manual) to Antenna Input (B).
2. Plug the Dakota Micro receiver into the monitor wire harness (E)
3. Match the channel selector (A) on the receiver to the camera you want to see.
4. Connect either the hardwire, 12v or AC adapter supplied into the receiver (C).
5. To eliminate multiple power sources, you may use the available power output (D) on the receiver to power the monitor.

Optional External Antennas

Wireless 3dBi Antenna (Included)

Benefits

- Possible distance of 2,000 feet (Varies based on location and geography)
- Small
- No Extra Cost

Tips

- Short transmitter and receiver distance
- No add-on extension cable



Wireless 5dBi Antenna (PN: DMAC-MA5)

Benefits

- Possible distance of 2,600 feet (Varies based on location and geography)
- Magnet Mount is great for mobile applications
- 6-foot attached cable
- Low Cost

Tips

- Extra metal plate needed for plastic cabs
- No add-on extension cable



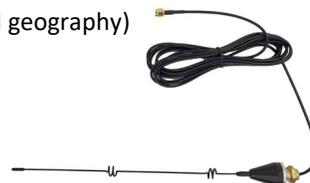
Wireless 7dBi Antenna (PN: DMAC-MA7-PM)

Benefits

- Possible distance of 2,600 feet (Varies based on location and geography)
- Permanent Mount
- 6-foot attached cable
- Low Cost

Tips

- No add-on extension cable



Wireless 8dBi Omni-Directional Antenna (PN: DMAC-WA8)

Benefits

- Possible distance of 1 mile (Varies based on location and geography)
- Sturdy Construction
- 20-foot Cable
- Additional extension cables available



Tips

- Omni-directional signal operates like a “fan” so that the signal will not be received/transmitted directly below or above

Wireless 8dBi Directional Antenna (PN: DMAC-WA8P)

Benefits

- Possible distance of 1 mile (Varies based on location and geography)
- 20-foot Cable
- Full transmission aimed in one direction
- Can be mounted on side of buildings



Tips

- Transmits and/or receives in one direction only

Antenna Notes: Line of sight is important with this wireless equipment. Use of wireless equipment in enclosed spaces drastically reduces signal strength. For best results, it is recommended to mount an antenna on the exterior of the structure. Dakota Micro does not support or recommend the use of third-party antennas. It is recommended to use antennas the same strength on both the transmitter and receiver

****All product specifications and warranty details are available at www.dakotamicro.com****