

User Manual DM-H9Q

Dakota Micro® AHD 9" Quad Monitor



Always read the manual prior to operating this equipment. Please follow all safety signs and precautions.

Included Components

Description	Picture
Dakota Micro® AHD 9" Quad Monitor	
Dakota Micro® AHD 9" Quad Monitor Wire Harness PN: DM-H9QMWH	
Dakota Micro® AHD 9" Quad Monitor Remote PN: DM-H9QRMT	
Dakota Micro® 9" Monitor Sun Shade PN: DM-9SHADE	
Dakota Micro® 9" Monitor U-bracket and Hardware PN: DMAC-9M Bracket	
Dakota Micro® 2.1 Barrel Male to Auxiliary Power PN: DM-12V	

Optional Components

Description	Picture
Dakota Micro® 2.1 Barrel Male to Electrical Outlet Power PN: DM-PA3	

Standard Features

- Features the latest in Analog HD technology
- View 1,2,3,or 4 cameras at the same time
- LED backlit
- Compatible with NTSC or PAL cameras, simultaneously
- Compatible with AHD or CVBS cameras, simultaneously
- Advanced LCD technology allows you to clearly see your image from any angle
- Mirror the view of any of your cameras for use as a backup camera
- 2-year warranty
- 16:9 aspect ratio
- 4 Camera Inputs
- Event triggers for each camera allow for triggered events to bring your camera to full view (I.E. putting the vehicle in reverse)
- Color, brightness, contrast, and volume controls that allow comprehension for use in different environments.

Monitor Installation & Mounting

Mounting Precautions

Remove your monitor carefully from packaging and inspect all mounting hardware. Mounting location is the most important part of the monitor installation as it ensures the maximum visual benefit from your Dakota Micro system. When installing your monitor, follow these precautions:

1. The monitor is out of direct sunlight. This will prolong the life of the unit as well as ensure optimum visibility.
2. The monitor does not obstruct view.
3. The monitor does not interfere with the normal operation of equipment.

Warning: Dakota Micro, Inc. is not responsible for any damages caused to your monitor or yourself due to the improper installation or use of a suction cup monitor mount, whether it be product sold by Dakota Micro or product purchased from another source.

Universal Bracket Mounting

Hold monitor U-bracket in place on monitor.

Attach bracket with included wing bolts.

(DISCLAIMER: Use ONLY the bolts included in kit, bolts any longer will damage your monitor)

Power

Supplying Power with 12v Power Adapter

1. Attach the power input connector on monitor to your included 12v cigarette lighter power adapter.
2. Plug Cigarette lighter adapter into 12v power source.

Hardwire Power Adapter

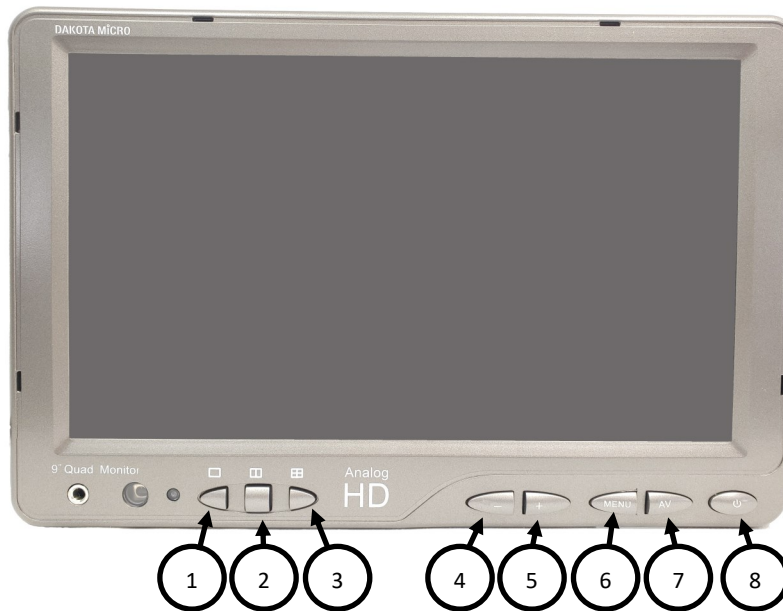
1. If you would like to hardwire your power supply, please contact your local Dakota Micro, Inc. dealer for available hardwire power adapters (PN: DM-HDWRE)
2. Dakota Micro hardwire power adapters have a maximum circuit capability of 5amp

Fuses

1. There is a small in-line glass fuse located on the red power wire. When replacing this fuse, use a MAX 3 AMP glass fuse.
2. There is a small glass fuse located on the inside tip of the 12v portion of the power adapter (PN: DM-12v).
When replacing this fuse, use a MAX 4 amp glass fuse.

Monitor & Remote Operations

Monitor Operations



1		Single camera image– one (1) camera image at a time
2		Split Screen– two (2) camera images at a time
3		Quad Screen– four (4) camera images at a time
4	- Key	To decrease parameter
5	+ Key	To increase parameter
6	MENU	Allows users to access the menu. Once in the menu, toggles through menu options
7	AV	Each button press switches between AV1, AV2, AV3, & AV4. Also, selects menu options within sub menus.
8	Power	Powers Monitor ON and OFF (2 second delay)

Remote Operations

	Power ON/OFF
	Switches between video channels
	Navigation Arrow
	Navigation Arrow
	Navigation Arrow
	Navigation Arrow
	Displays Menu
	Camera/ Channel 1 Full Screen
	Camera/ Channel 2 Full Screen
	Camera/ Channel 3 Full Screen
	Camera/ Channel 4 Full Screen



Monitor Wire Harness Details

Harness Components

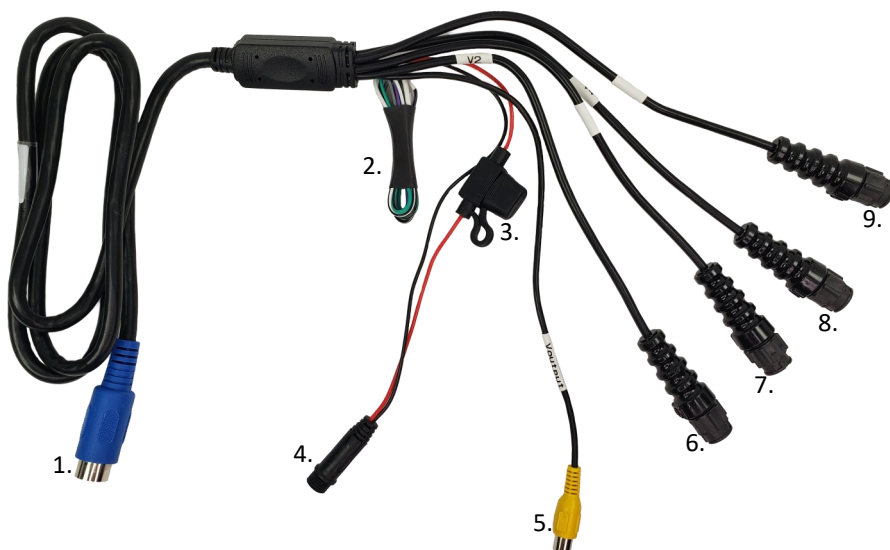
1. Input to Monitor
2. AV 1-4 Event Trigger Wires
3. Fuse
4. Power Input
5. RCA- Video Output
6. AV1- Audio Video Input
7. AV2- Video Input
8. AV3- Video Input
9. AV4- Video Input

Event Trigger Wire Color Guide

1. Camera 1- Green
2. Camera 2- Purple
3. Camera 3- Gray
4. Camera 4- White

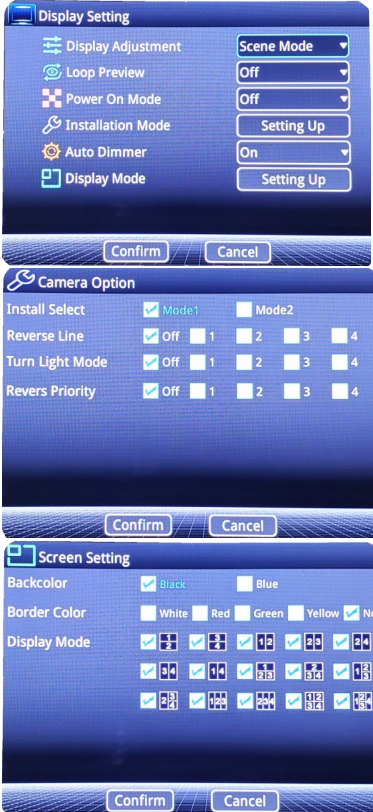
Event Trigger Wires Explained

Event trigger wires can be attached to any 12v or 24v positive output event switch or supply. The event circuit should be neutral in its normal state and change to HIGH (12v or 24v) when the event is active. This will cause the monitor to automatically switch to that camera, regardless of the state of the monitor (i.e. ON/OFF or different channel selection). Up to 3 cameras can be triggered on and simultaneously displayed at the same time. For example, if you have trigger wires 2 and 4 hooked up to a positive event, a split screen of cameras 2 and 4 will be displayed. You can also set a camera to be a priority so when it is triggered it will override any other image to full screen. See Menu Setting for more details.



Menu Settings

1. Press the MENU key on the face of the monitor or remote. MENU key also acts as “enter” key once within the menu.
2. Use the AV key on the monitor (up and down arrows on the remote) to select an item under each section. Selected menu items turn blue.
3. Use - and + on the monitor (left or right arrows on the remote) to change the value of the highlighted item.
4. To exit: Press the MENU button on monitor multiple times until the menu goes away. Allow monitor to time out (approximately 10 seconds).

	<p>Display: Adjusts monitor display settings System: System Setting including time setup</p>
	<p>Display Adjustment: <u>Scene Mode:</u> Adjusts look of entire display - highlight, film, brilliance, cool, warm, custom. Adjustment of brightness, contrast, saturation, & hue of chosen scene also available. <u>Image Adjust:</u> Allows adjustment of individual cameras brightness, contrast saturation, hue. You can also individually flip each camera. Loop Preview: Set Auto rotation time between screen views OFF, 3, 5, 8, 10, or 15 seconds Power On Mode: Select the default camera view when you power on. Select from cameras: 1,2,3,4,1/2,3/4,H, and Quad Installation Mode: Choose from more default camera view options. <u>Install Select:</u> Mode 1 is regular screen view and Mode 2 flips screen upside down. <u>Reverse Line:</u> Check the boxes of which cameras (or none) you would like to view the reverse guidelines. Note, reverse lines can only be displayed in full screen one at a time. <u>Turn Light Mode:</u> N/A <u>Reverse Priority:</u> Select which single camera overrides any other trigger event when reversing. Auto Dimmer: Mark “On” if you want the monitor to automatically dim in low-light conditions Display Mode: Allows adjustment of how cameras are displayed on screen as well as background & border colors</p>
	<p>Language Setting: Select Language (Chinese, Traditional, English, Korean) Power Saving Mode: Set Power Saving Mode duration - Off, 10min, 30min, 1hr, 2hr Restore Factory: Restore monitor to factory settings System Upgrade: Install firmware updates (SD card would need to be supplied by manufacturer to update - updates generally not needed) Software version: latest firmware on the monitor</p>

Disclaimer

Dakota Micro, Inc. Products, specifications, pricing, and programs are subject to change without prior notice. Dakota Micro, Inc. reserves the right to make design changes at any time without obligation to retroactively install them on previously sold units.

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