

Driving Safety Warning MR910 Specification (V3.3)





Table 1 MR910 Product Specification Table

Item		Specification	
System	Language	Chinese / English	
	OS	Linux	
	Operation	Graphical menu operation interface (OSD menu), character overlay	
	interface	function;	
	GUI	Support mouse and remote control operation to set system	
		parameters	
	Video Input	M12 4P aviation head interface	
	Video Input	4 video inputs, supporting camera resolutions of 1080P, 720P, D1	
	Video Output	1 channel CVBS, 1 channel VGA (either VGA or Ethernet port)	
	Video	PAL standard, NTSC standard	
	standards		
Video and	Video		
recording	compression	H. 264/H.265 compression format	
system	format		
	Recording	Supports 1080P, 720P, D1, HD1, CIF options	
	resolution		
	Recording	Image quality levels 1 to 8, optimal level 1, minimum level 8	
	quality		
	Recording	Default automatic recording, supporting ignition recording, alarm	
	method	recording, etc	
	Audio Input	Supports 4-way camera audio input	
	Audio output	1 channel, built-in power amplifier	
Audio	compressed	G. 711A compressed format	
	format	· · · · · · · · · · · · · · · · · · ·	
	Recording	Synchronous recording of sound and video	
	method		
	I/O	4 switch inputs, 1 emergency alarm input	
		1 switch output, linkage sound and light alarm, etc	
	USB	1 channel, can use USB flash drive to upgrade backup data,	
		supports USB mouse;	
	RS232	1 channel, expandable card reader, fuel sensor, etc	



MR910 Specification-V3.3

Storage SD Card support of 512G Storage method Proprietary bare disk storage method Proprietary bare disk storage method Video Replay video search You can search for recorded video data by recording time, recormethod, and other methods Video Replay Reply Supports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backward Power Power Adaptive broadband power input with protection functions succoverload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions. and power Input Voltage DC:+9V ~ +36V consumption Output +12V@1A, +5V@1A voltage consumption Normal working state < 12W (without external equipment) work temperature -25°C to +70°C environment humidity 20% ~90% safety Password Two levels of management for user passwords and administre passwords PlaSDorm access JT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional			
network port 1 channel (VGA or Ethernet port selection) Intercom 1 channel Wireless 4G 1 channel 4G transmission WiFi 1 channel (wireless 802.11b/g/n communication module) satellite positioning Supports GPS and BD (Beidou) dual mode positioning Sensor Sensor Built-in 3-axis acceleration sensor Storage SD Card Supports 2 large capacity SD cards for recording, with a maxir support of 512G Storage Storage Proprietary bare disk storage method Video Replay You can search for recorded video data by recording time, recormethod, and other methods Video Replay Supports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backward Power Adaptive broadband power input with protection functions succoverload, undervoltage, short circuit, and reverse connection supports timed shutdown and delayed shutdown functions. and power Input Voltage DC:+9V ~ +36V consumption Normal working state < 12W (without external equipment)		RS485	1 channel, expandable pan tilt
Wireless transmission 4G 1 channel 4G transmission WiFi 1 channel (wireless 802.11b/g/n communication module) satellite positioning positioning Supports GPS and BD (Beidou) dual mode positioning Sensor Sensor Built-in 3-axis acceleration sensor Storage SD Card Supports 2 large capacity SD cards for recording, with a maxir support of 512G Storage Proprietary bare disk storage method Proprietary bare disk storage method Video Replay Video search You can search for recorded video data by recording time, recormethod, and other methods Power Supports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backward Power Mover Adaptive broadband power input with protection functions succoverload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions. Input Voltage DC:+9V ~ +36V consumption Output Voltage +12V@1A. +5V@1A voltage -25°C to +70°C environment humidity 20% ~90% safety Password Two levels of management for user passwords and administing passwords PlaSDorm access JT/T 808-2011, JT/T 808-20			1 channel (VGA or Ethernet port selection)
transmissionWiFi1 channel (wireless 802.11b/g/n communication module)satellite positioningpositioningSupports GPS and BD (Beidou) dual mode positioningSensorSensorBuilt-in 3-axis acceleration sensorStorageSD CardSupports 2 large capacity SD cards for recording, with a maxir support of 512GStorage methodProprietary bare disk storage methodVideo ReplayYou can search for recorded video data by recording time, record method, and other methodsVideo ReplayPower managementSupports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backwardPower supply and power consumptionInput VoltageDC:+9V ~ +36VOutput Voltage-25°C to +70°Cenvironmenthumidity20% ~90%safety managementPasswordTwo levels of management for user passwords and administ managementPlaSDorm accessJT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional		Intercom	1 channel
satellite positioning positioning Supports GPS and BD (Beidou) dual mode positioning Sensor Sensor Built-in 3-axis acceleration sensor Storage SD Card Supports 2 large capacity SD cards for recording, with a maxir support of 512G Storage method Proprietary bare disk storage method Video Replay video search You can search for recorded video data by recording time, recormethods Video Replay Reply Supports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backward Power Magnetic field Adaptive broadband power input with protection functions succoverload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions. Input Voltage DC:+9V ~ +36V Consumption Normal working state < 12W (without external equipment)	Wireless	4G	1 channel 4G
positioningpositioningSupports GPS and BD (Beidou) dual mode positioningSensorSensorBuilt-in 3-axis acceleration sensorStorageSD CardSupports 2 large capacity SD cards for recording, with a maxir support of 512GStorageProprietary bare disk storage methodwideo searchYou can search for recorded video data by recording time, recor method, and other methodsVideo ReplayYou can search for recorded video data by recording time, recor method, and other methodsPowerReplySupports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backwardPowerPower managementAdaptive broadband power input with protection functions suc overload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions.and powerInput VoltageDC:+9V ~ +36VconsumptionOutput voltage+12V@1A, +5V@1Avorktemperature-25°C to +70°Cenvironmenthumidity20% ~90%safetyPasswordTwo levels of management for user passwords and administ managementPlaSDorm acceesJT/T 808-2011, JT/T 808-2019, JT/T 905-2-2014 is optional	transmission	WiFi	1 channel (wireless 802.11b/g/n communication module)
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Storage SD Card support of 512G Storage Proprietary bare disk storage method Video Replay video search You can search for recorded video data by recording time, recorrection method, and other methods Video Replay Reply Supports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backward Power Management Adaptive broadband power input with protection functions succes overload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions. and power Input Voltage DC:+9V ~ +36V consumption Output Voltage +12V@1A, +5V@1A Voltage -25°C to +70°C environment humidity 20% ~90% safety Password Two levels of management for user passwords and administignanagement PlacEorm access passwords passwords	Sensor	Sensor	Built-in 3-axis acceleration sensor
Storage method Proprietary bare disk storage method Video Replay video search method, and other methods You can search for recorded video data by recording time, recormethod, method, and other methods Reply Reply Supports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backward Power Power Adaptive broadband power input with protection functions succoverload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions. and power Input Voltage DC:+9V ~ +36V Output +12V@1A, +5V@1A Voltage -25 °C to +70 °C environment humidity 20% ~90% safety Password Two levels of management for user passwords and administi passwords PlaSDorm access JT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional		SD Card	Supports 2 large capacity SD cards for recording, with a maximum support of 512G
Video Replay video search method, and other methods Reply Supports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backward Adaptive broadband power input with protection functions succoverload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions. Power Input Voltage DC:+9V ~ +36V consumption Output +12V@1A, +5V@1A Voltage Normal working state < 12W (without external equipment)	Storage	-	Proprietary bare disk storage method
ReplySupports up to 1 to 4 synchronous playback channels, supports 8, 16X fast forward or backwardPower managementAdaptive broadband power input with protection functions suc overload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions.and powerInput VoltageDC:+9V ~ +36VConsumptionOutput Voltage+12V@1A, +5V@1AVoltageconsumptionNormal working state < 12W (without external equipment)	Video Replay	video search	You can search for recorded video data by recording time, recording method, and other methods
Power managementPower managementoverload, undervoltage, short circuit, and reverse connect Supports timed shutdown and delayed shutdown functions.and powerInput VoltageDC:+9V ~ +36VconsumptionOutput Voltage+12V@1A, +5V@1AVoltageconsumptionNormal working state < 12W (without external equipment)		Reply	Supports up to 1 to 4 synchronous playback channels, supports 2, 4, 8, 16X fast forward or backward
consumption Output Voltage +12V@1A, +5V@1A voltage -25°C to +70°C work temperature -25°C to +70°C environment humidity 20% ~90% safety Password Two levels of management for user passwords and administr management access passwords PlaSDorm access JT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional	Power supply		Adaptive broadband power input with protection functions such as overload, undervoltage, short circuit, and reverse connection; Supports timed shutdown and delayed shutdown functions.
Voltage +12V@1A, +5V@1A voltage consumption Normal working state < 12W (without external equipment)	and power	Input Voltage	DC:+9V ~ +36V
work temperature -25°C to +70°C environment humidity 20% ~90% safety Password Two levels of management for user passwords and administr management access passwords PlaSDorm access JT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional	consumption		+12V@1A, +5V@1A
environmenthumidity20% ~90%safetyPasswordTwo levels of management for user passwords and administr passwordsmanagementaccesspasswordsPlaSDorm accessJT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional		consumption	Normal working state $<$ 12W (without external equipment)
safety Password Two levels of management for user passwords and administration management access passwords PlaSDorm access JT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional	work	temperature	-25℃ to +70℃
management access passwords PlaSDorm access JT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional	environment	humidity	20% ~90%
PlaSDorm access JT/T 808-2011, JT/T 808-2019, JT/T 905.2-2014 is optional	safety	Password	Two levels of management for user passwords and administrator
	management access		passwords
Dimension 120*120*46mm	PlaSDorm access		JT/T 808-2011, JT/T 808-2019,JT/T 905.2-2014 is optional
	Dimension		120*120*46mm
Net weight 450g	Net weight		450g



1 Device Specifications

This chapter systematically introduces the functional overview, characteristics, detailed specifications, and precautions of the equipment.

1.1 **DSM camera specifications (optional)**



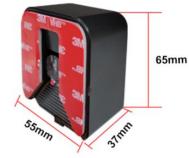
DSM Camera	Specification
Name	DSM Camera
Size	84×84×31.5mm (without bracket) 84×84×162mm (with bracket)
Pixels	1280×720
System	PAL
Joint	Aircraft carrier head
Power	DC12V

1.2 HOD Camera Specification (Optional)



ADAS Camera	Specification
Name	HOD Camera
Size	60 x 70mm
Pixels	1280×720
System	PAL/NTSC, default PAL
Port	Aircraft carrier port
Power	DC12V

1.3 ADAS Camera Specification (Optional)



ADAS Camera	Specification
Name	ADAS Camera
Size	65×55×37mm
Pixels	1280 x 720
System	PAL/NTSC, default PAL
Port	Aircraft carrier port
Power	DC12V

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1.4 BSD Camera Specification (Optional)



BSD Camera	Specification
Name	BSD Camera
Size	90x63x65mm
Pixels	1920×1080
System	PAL/NTSC, default PAL
Port	Aircraft carrier port
Power	DC12V

1.5 **360 Camera Specification (Optional)**



360 Camera	Specification
Name	360 Camera
Size	60.5x43x37mm
Pixels	1920×1080
System	PAL/NTSC, default PAL
Port	Aircraft carrier port
Power	DC12V