



# Mars M1

5.5" Wireless Transceiver Monitor  
Compact designed long-range low latency FHD Transmit  
and Receive video display.



- Integrated wireless video transceiver (not Transceiving) monitor
- Switch between Transmit and Receive Modes (Patented)
- Support 1 TX to 2 RXs, or 1 RX plus 2 mobile APP connections
- Compatible with Mars 300 Pro & Mars 400s Pro
- Support LUT files import via Type-C port
- Support UHD 4K 30fps input (HDMI)
- Smart wireless frequency scanning (RX)
- Feature 3G-SDI interface and cross convert with SDI in & HDMI out
- DC OUT interface for camera power supply
- Low-battery notification



## Specifications

	Transmitter Mode	Receiver Mode
Video Input Interface	SDI input (BNC female) HDMI input (Type-A female)	
Video Output Interface	HDMI output (Type-A female)	HDMI output (Type-A female)
Antenna Interface	Two RP-SMA male interfaces	Two RP-SMA male interfaces
Power Input Interface	DC power input	DC power input
Power Output Interface	DC power output	DC power output
Headphone Jack	3.5mm jack	3.5mm jack
Firmware Upgrade Interface	USB Type-C	USB Type-C
Screen Size (diagonal)	5.5" touch screen	5.5" touch screen
Screen Resolution	1920x1080 pixels	1920x1080 pixels
Pixel Density	403 ppi	403 ppi
Aspect Ratio	16:9	16:9
Brightness	1000 nits	1000 nits
Contrast Ratio	1000:1	1000:01:00
Supply Voltage Range	6~16V DC, nominal 12V	6~16V DC, nominal 12V
Power Consumption	<14.5W (without DC output)	<10W (without DC output)
Net Weight (lbs)	380g (antennas excluded)	380g (antennas excluded)
Dimension Convert all Metric Measure Please (inches)	(LxWxH): 152x96x40mm (antennas excluded)	(LxWxH): 152x96x40mm (antennas excluded)
Input Video Formats	HDMI:	
	720P50/59.94/60 Hz	/
	1080i50/59.92/60 Hz	/
	1080p23.98/24/25/29.97/30/50/59.94/60 Hz	/
	3840x2160p23.98/24/25/29.97/30 Hz	/
	4096x2160p23.98/24/25/29.97/30 Hz	/
	SDI:	
	720p50/59.94/60 Hz	/
	1080p23.98/24/25/29.97/30/50/59.94/60 Hz	/
Output Video Formats	HDMI in HDMI out:	HDMI out:
	720p50/59.94/60 Hz	720p50/60 Hz
	1080i50/59.94/60 Hz	1080i50/60 Hz
	1089p23.98/24/25/29.97/30/50/59.94/60 Hz	1080p24/25/30/50/59.94/60 Hz
	3840x2160p23.98/24/25/29.97/30 Hz	1080p24/25/30
	4096x2160p23.98/24/25/29.97/30 Hz	1080p24/25/30
	SDI in HDMI out:	HDMI out:
	720p50/59.94/60 Hz	720p50/60 Hz
	1080i50/59.94/60 Hz	720p50/60 Hz
	1080p23.98/24/25/29.97/30/50/59.94/60 Hz	1080p24/25/30/50/59.94/60 Hz
Operating Frequency	5.1~5.8GHz	5.1~5.8GHz
Codec Technology	H.264	H.264
Bit Rate	12Mbps	12Mbps
Tx Power	Max. 22dBm	Max. 22dBm
RX Sensitivity	-80dBm	-80dBm
Transmission Latency	<0.08s	<0.08s
Bandwidth	20MHz	20MHz