



## *TECHNICAL SPECIFICATIONS*

### Miaza Mirror

#### *Headquarters*

*Pink Tech Design | 30 Guinness Avenue, Etobicoke, Toronto, M9W3K9  
Ontario, Canada+1 647 233 7784*

*Pink Tech Design | A 296/1 4th Floor, Okhla Phase I Industrial Area, New  
Delhi India 110020*



## Table of Contents




<b><i>Physical Dimensions</i></b> .....	<b>2</b>
<b><i>Certifications</i></b> .....	<b>2</b>
<b><i>AI and Computing System Specifications</i></b> .....	<b>3</b>
<b><i>Display Specifications</i></b> .....	<b>4</b>
<b><i>Camera Specifications</i></b> .....	<b>5</b>
<b><i>Specifications of Microphone</i></b> .....	<b>5</b>
<b><i>Specifications of Speakers</i></b> .....	<b>6</b>
<b><i>Specifications of IOT Unit</i></b> .....	<b>6</b>
<b><i>Sensors</i></b> .....	<b>7</b>
<b><i>Specifications of Ultrasonic Sensor</i></b> .....	<b>7</b>
<b><i>Specifications of Touch Sensor</i></b> .....	<b>8</b>
<b><i>Specifications of External Electronics Control System</i></b> .....	<b>8</b>
<b><i>Specifications of Mirror LED Lights</i></b> .....	<b>8</b>
<b><i>Disclaimer</i></b> .....	<b>9</b>



## Physical Dimensions

Feature	Description
<b>MagicMirror</b>	
Height	147 cm
Width	99 cm
Depth	11 cm
Weight	64 kgs
<b>Display Area</b>	
Height	112 cm
Width	74 cm
<b>Frame Size</b>	
Height	163 cm
Width	116 cm

## Certifications

Certification	Description	Sign
<b>FCC</b>		
FCC Declaration		
Certificate Number	UQ-1300518013	
Product	Magic Mirror	
Model	KPMM01	
	This device with part 15A & 15B of the FCC rules.	
<b>ROHS</b>		
ROHS	This product is ROHS Compliant	
CE		
CE Declaration		
Certificate Number	CE-1144	
<b>ISO</b>		



ISO 9001:2015	Quality Management System	
Certificate Number	2018053005	
ISO 14001:2015	Environment Management System	
Certificate Number	2018053006	
ISO 45001:2018	Occupational Health and Safety Management System	
Certificate Number	2018053007	

## AI and Computing System Specifications

Feature	Description
Processor	Quad Core 1.2GHz Broadcom BCM2837 64bit CPU
RAM	1GB
Pins	40-pin Extended GPIO
<b>Memory</b>	
Storage	16GB
Speed	Up-to 80MB/s read speed
<b>Power Supply</b>	
Port	Micro USB Power
Power	+5.1 V micro USB Supply Input power source up to 2.5A



Ports	
USB	4 x USB 2.0
HDMI	1 x Full size HDMI
Camera	CSI camera port
Display	DSI display port
Audio	4 Pole stereo output
Connectivity	
LAN	10/100 LAN Port
Bluetooth	Bluetooth 4.2(Bluetooth Low Energy (BLE) on board)
WiFi	2.4GHz and 5GHz 802.11b/g/n/ac Wi-Fi

## Display Specifications

Feature	Description
Screen Size	50"(127cm)
LED Type	127cm TFT LED
Display Resolution	1920 x 1080(FHD)
Brightness	300 nits
Power Supply	
Power Supply	AC 100~240, 50/60Hz



Power Consumption(MAX)	100 Watt
Accessories	
Accessories	Remote Handset, Battery UM04, "AAA" 1.50V(2pc)
Connectors	
Video Connection	2 x HDMI
USB Connection	1 x USB2.0

## Camera Specifications

Feature	Description
Still Resolution	5 Megapixels
Video modes	1080p30, 720p60 and 640 × 480p60/90
Sensor	OmniVision OV5647
Sensor resolution	2592 × 1944 pixels
Optical size	1/4"
Picture Resolution	2592 x 1944

## Specifications of Microphone

Feature	Description
Impedance	2.2k Ohms



Sensitivity	-58dB ±3dB
Directivity	Omni-directional
Operating Voltage	4.5V
Frequency Response	100Hz~16kHz
Input Plug	3.5mm

### Specifications of Speakers

Feature	Description
Total Watts(Peak)	10W
Total Watts(RMS)	5W
Power Supply	AC 100~240, 50/60Hz

### Specifications of IOT Unit

Feature	Description
Microcontroller	ATmega2560
Clock Speed	16 MHz
<b>Memory</b>	
Flash Memory	256KB of which 8KB used by bootloader
SRAM	8KB
EEPROM	4KB



Input/Output Connector	
Digital I/O Pins	54
PWM Pins	15
Analog input Pins	16
Power Supply	
Operating Voltage	5V
Input Voltage (recommended)	7-12V
Input Voltage (limit)	6-20V
DC current per I/O Pin	20 mA
DC current per 3.3V Pin	50 mA

## Sensors

### Specifications of Ultrasonic Sensor

Feature	Description
Practical Measuring Distance	2cm - 80cm
Accuracy	3mm
Measuring Angle Covered	<15°
Operating Frequency	40Hz
Power Supply	
Operating Voltage	+5V
Operating Current	15mA





### Specifications of Touch Sensor

Feature	Description
Response Time max about	60mS
Operating Temperature	20 ~ +70 °C
<b>Power Supply</b>	
Operating Voltage	+5V
Operating Current	13.0uA

### Specifications of External Electronics Control System

Feature	Description
Number of External Devices Controls	59
Additional Control Ports	200
<b>Power Supply</b>	
Input Voltage	+5V
Operating Current	10A
Output Voltage	AC 125-250V

### Specifications of Mirror LED Lights

Feature	Description
Colors	Red, Green, Blue, White, Light Green, Light Blue
<b>Power Supply</b>	
Input Voltage	AC 110 - 265V ~ 50/60Hz



Output Current	2A
Output Voltage	12V

## Disclaimer

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.

Pink Tech Design Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "PTD"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product. PTD makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, PTD disclaims

- (i) any and all liability arising out of the application or use of any product,
- (ii) any and all liability, including without limitation special, consequential or incidental damages, and
- (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on PTD's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify PTD's terms and conditions of purchase, including but not limited to the warranty expressed therein. Except as expressly indicated in writing, PTD's products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the PTD's product could result in personal injury or death. Customers using or selling PTD products not expressly indicated for use in such applications do so at their own risk. Please contact authorized PTD personnel to obtain written terms and conditions regarding products designed for such applications. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of PTD. Product names and markings noted herein may be trademarks of their respective owners.