



Guangdong MACC Industrial Co.,Ltd.

Waterproof bathroom TV  
Product Catalog

# About MACC



# Product Overview

As a professional tv manufacturer with over 12 years experiences in tv industry. Macc devotes to provide superior bathroom tv products to Asia, Eu and American market. Macc bathroom tv is 100% fully waterproof(IP66 rating). Including regular waterproof tv and mirror waterproof tv series which can be used in home, hotel, bathroom, kitchen, swimming pool, high-end hotel washbasin, luxury villas, apartment washbasin, saunas etc..

The Smart mirror tv is one of Macc Main product lines. Which integrates mirror and television in one. With touch function and Android /webOS smart system. Macc commits to customizes different functions, sizes and shapes bathroom tv to satisfy all demanding requirements.

Guangdong MACC Industrial Co.,Ltd. (the Company), established in April, 2012, is a group enterprise headquartered, integrating R&D, intelligent manufacturing, sales and service into one body. The Company mainly has MACC Electronics (Shenzhen) Co.,Ltd., Huizhou MACC Electronics Co.,Ltd., Shenzhen ECOSOLAR Technology Co.,Ltd., Shenzhen MACC RV TECH Co.,Ltd. and Zhongshan MACC Technology Co.,Ltd. under it.

Based in China, the Company provides products and services for the global market, and its main products cover smart business display products (software development and platform release included) , high-definition smart TV products, special TV (car electronics and car TV) products, new energy (solar TV and system and supporting) products, etc.

The Company has robust comprehensive strength, and has set up professional R & D, intelligent manufacturing and sales teams. Branches and representative offices have been set up in Shenzhen, Hong Kong, China and Los Angeles among others. The Company is growing very fast in keeping pace with the times. Up to now, it has built a staff team of more than 1000 persons at home and abroad. And has been ISO9001 & 140001, ISO45001 and BSCI certified.

As a socially responsible enterprise, the Company are dedicated to make responsible products, always carrying out the core values of "customer first, happy work, pragmatic innovation, win-win result and common responsibility". No matter how severe the world situation is and how fierce the competition is.





**POWER OFF(mirror)**



**POWER ON**



**IP66**  
waterproof

IP66 waterproof and dustproof rating; Operating temp 0°C-45°C (95% humidity)



powered by **WebOS Hub**

**ThinQ AI**





**Touch Screen**

Panel surface with AF de-water finish,  
Preventing non-artificial operate  
High brightness display, wide colour range  
Various popular streaming apps.



Bluetooth



INTEGRATED



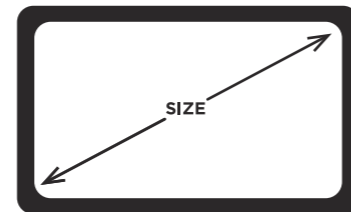
White



Grey



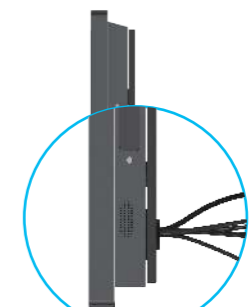
DVB-T/T2/C/S/S2, ISDB/BS/CS, ATSC



**Available model**  
19"/22"/24"/27"/32"/43"



Multiple interface input



Metal frame



### Specifications

Model:	18.5"	21.5"	23.8"	27"	32"
<b>PANEL</b>	18.5" FHD	21.5" FHD	23.8" FHD	27" FHD	32" FHD
Screen Size (diagonal) (inch / cm)	18.5" (47)	21.5" (55)	23.8"/60	27"/69	31.5" /80
Screen active area (WxH)	408.96(H) x 230.04(V)	476.64 (H) * 268.11 (V)	527.04(H)x296.46(V)	597.888 (H) x336.312 (V)	698(H) x 393 mm (V)
Backlight	ELED	ELED	ELED	ELED	ELED
Resolution	1920*1080	1920*1080	1920*1080	1920*1080	1920*1080
Response Time (typical)	14 ms	7 ms	9.5 ms	8ms	9.5ms
Brightness ( cd/m <sup>2</sup> )	max 1000 cd/m <sup>2</sup>	max 700 cd/m <sup>2</sup>	max 700 cd/m <sup>2</sup>	max 700 cd/m <sup>2</sup>	max 700 cd/m <sup>2</sup>
Contrast Ratio (typical)	1000:1	3000:1	3000:1	4000:1	3000:1
Viewing Angle Degree (H/V)	H:178°, V:178°	H:178°, V:178°	H:178°, V:178°	H:178°, V:178°	H:178°, V:178°
Refresh rate	60 Hz	60Hz	60Hz	60Hz	60 Hz
Aspect Ratio/Picture format	16:9	16:9	16:9	16:9	16:9
Colours	16.7M	16.7M	16.7M	16.7M	16.7M
<b>INPUTS AND OUTPUTS For WEBOS SMART</b>	<b>WEBOS SMART supports licensed APPS like Netflix, Youtube, Prime Video etc</b>				
DC IN	x1	x1	x1	x1	x1
TV Tuner	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)
RJ45	x1	x1	x1	x1	x1
CI	x1	x1	x1	x1	x1
COAX	/	/	/	/	/
OPTICAL	x1	x1	x1	x1	x1
HDMI	x3	x3	x3	x3	x3
USB	x2	x2	x2	x2	x2
EARPHONE	x1	x1	x1	x1	x1
MINI AV	x1	x1	x1	x1	x1
<b>INPUTS AND OUTPUTS For AOSP Android SMART</b>	<b>AOSP Android SMART supports APPS like Netflix, Youtube, Prime Video etc</b>				
DC IN	x1	x1	x1	x1	x1
TV Tuner	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)
RJ45	x1	x1	x1	x1	x1
CVBS OUT	x1	x1	x1	x1	x1
LINE L OUT	x1	x1	x1	x1	x1
LINE R OUT	x1	x1	x1	x1	x1
CI	x1	x1	x1	x1	x1
COAX	x1	x1	x1	x1	x1
OPTICAL	/	/	/	/	/
HDMI	x2	x2	x2	x2	x2
USB	x1	x1	x1	x1	x1
EARPHONE	x1	x1	x1	x1	x1
MINI AV IN	x1	x1	x1	x1	x1
<b>INPUTS AND OUTPUTS For Non-SMART</b>	<b>Non SMART solution do not support online APPS</b>				
DC IN	x1	x1	x1	x1	x1
TV Tuner	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)	x2 (DVB-T/T2/C/S/S2)
AV IN	x1	x1	x1	x1	x1
AV L IN	x1	x1	x1	x1	x1
AV R IN	x1	x1	x1	x1	x1
CI	x1	x1	x1	x1	x1
MINI YPBPR	x1	x1	x1	x1	x1
COAX/OPTICAL optional	x1	x1	x1	x1	x1
HDMI	x2	x2	x2	x2	x2
USB	x2	x2	x2	x2	x2
EARPHONE	x1	x1	x1	x1	x1
<b>AUDIO</b>					
Audio Output	2*3W	2*5W	2*5W	2*5W	2*8W
<b>POWER CONSUMPTION</b>					
Power Supply	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
	AC 110V-220V (AC Adapter)	AC 110V-220V (AC Adapter)	AC 110V-220V (AC Adapter)	AC 110V-220V (AC Adapter)	AC 110V-220V (AC Adapter)
Power Consumption (W)	<36W	<36W	<36W	<48W	<60W
Standby Power Consumption	<0.5W	<0.5W	<0.5W	<0.5W	<0.5W
<b>DIMENSIONS</b>					
Net weight (kg)	5.5kg	6.8kg	7.3kg	8.5kg	11 kg
Product Dimensions (mm)	463*294*50mm	529*331*50mm	595*368*50mm	662*403*50mm	805 x 468 x 51 mm

Built-in design, natural and natural