



秋田微电子  
AVDISPLAY

深圳秋田微电子股份有限公司 SHENZHEN AV-DISPLAY CO.,LTD

地址: 深圳市横岗荷坳金源工业区金源路 39 号

Address: No. 39, Jinyuan Road, He'ao Jinyuan industrial zone, Henggang Town, Long Gang District, Shenzhen, China

电话: (086)0755-88860696 传真: (086)0755-26911092 TEL: (086)0755-88860696 FAX: (086)0755-26911092

网址: [Http://www.av-display.com.cn](http://www.av-display.com.cn)

## SPECIFICATION FOR AVD-TDV101NC-560-B

### Customer Approval:

--

	SIGNATURE	DATE
<b>PREPARED BY</b>		2018.11.21
<b>CHECKED BY</b>		2018.11.21
<b>APPROVED BY</b>		2018.11.21

**Notes:**

- 1、Please contact AVD before assigning your product based on this module specification.
- 2、To improve the quality of product, and this product specification is subject to change without any notice.

A : 深圳市龙岗区横岗荷坳金源工业区金源路39号

No.39, Jin Yuan Road, He Ao Jin Yuan Industrial Park, Heng Gang, ShenZhen 518115, China

T : +86-755-8886 0696

H : [www.av-display.com](http://www.av-display.com)





## CONTENTS

1. Product Overview.....	4
2. Product Features.....	4
2.1 Video Performance Parameters.....	4
2.2 Electronic Performance Parameters.....	4
2.3 Environmental Performance Parameters.....	4
3. Functional Description.....	5
3.1 Interface.....	5
4.Physical Dimension.....	6

## 1. Product Overview

This product is a multi-purpose touch control machine. The high performance 32 bit video processing chip is used as the core processor. It uses the company's own research and development of TFT LCD screen, CTP touch screen, video control panel for the combination. Input display screen through HDMI video input interface. At the same time, touch function is realized through USB touch interface. The product has stable performance, good display effect and touch effect, and can fully meet the application needs of different occasions.

## 2. Product Features

### 2.1 Video Performance Parameters

Item	Parameters	Description
Color depth	16.7M	
Display size	252.0 mm(width) x 169.6 mm(height)	Boundary dimension
View size	216.96 mm(width) x 135.6 mm(height)	10.1 Inch
Resolution	1280*800	
Brightness	300 nit	
Backlight	LED	
Contrast ratio	800:1	
Viewing direction	Free	
Touch type	Capacitive screen	Support multi-touch

### 2.2 Electronic Performance Parameters

Item	Test Condition	Min	Typ	Max	Unit
Working Voltage		-	12	-	V
Working Current	VDD=12V 25°C Backlight Max	-	400	-	mA
Standby Current	VDD=12V 25°C Standby mode	-	-	-	mA

### 2.3 Environmental Performance Parameters

Item	Test Environmental	Min	Typ	Max	Unit
Operation temperature	VDD=12V, Humidity 60%	0	25	50	°C
Storage temperature		-20	25	60	°C
Humidity	25 °C	10%	60%	90%	RH

## 3.Functional Description

### 3.1 Interface

Item	Function	Description
DC	Power input	12V/2A( $\phi$ 5.0 Interface)
HDMI	Video input	Support
USB	Touch function	Support

#### HDMI Interface

Pin	Signal Name	Pin	Signal Name	Pin	Signal Name
1	TMDS Data2+	8	GND	15	SCL
2	GND	9	TMDS Data 0-	16	SDA
3	TMDS Data 2-	10	TMDS Clock +	17	GND
4	TMDS Data 1+	11	GND	18	+5V Power
5	GND	12	TMDS Clock -	19	Hot Plug Detect
6	TMDS Data 1-	13	CEC		
7	TMDS Data 0+	14	Reserved		

#### USB Interface

Pin	Signal Name	Pin	Signal Name
1	GND	3	D-
2	D+	4	5V



# 4.Physical Dimension

