

Chapter 1 Specification Summary

1.1 Specification

	Model	Parameters	
board	LCD size	75"	
	LCD type	A Grade	
	Board model	K750WD90-LA450A1	
	incoming inspection standard of board	TBD	
	light source	LED Backlight	
	usage type of board	DID	
	resolution	3840 x 2160 (pixels)	
	Brightness (typ)/(min)	450cd/m ² (typ.)	
	contrast ratio (typ)	1200:1 (typ.)	
	response time (ms)	8ms (typ.)	
	Pixel Pitch	0.429mm*0.429mm	
	Frame rate	60Hz	
	viewing angle	178 degree (H) / 178 degree (V)	
	lifetime (typ)/(min)	30,000 hrs (typ.)	
	colour saturation (x% NTSC)	65%	
	VIEWABLE AREA	1649.66mm x 927.94mm	
Chromaticiy	1.07Billion(10bit)		
program	Scalar	MSD6A828	
System Property	CPU	framework	ARM Cortex A53
		Work frequency	1.4GHz
		core number	Quad-core
	GPU	Mali-450	
	internal cache capacity (RAM)	2GB	
	Internal storage capacity (ROM)	8GB	
	System version	Android 5.0	
power	voltage	100 V ~ 220 V, 50-60 Hz	
	maximum power	<320W	
	standby power	≤0.32W	
condition	Working Temperature (dC)	0°C ~ 40°C	
	Storage Temperature (dC)	-10°C ~ 60°C	
	Storage humidity	10% ~ 60% RH Non-Condensing	
	Working Humidity	20% ~ 80% RH Non-Condensing	
	Video mode	Standard, soft, users, and bright	
	Longest working time(hour/day)	18 hours	
function	Inside speaker	10W * 2	
	Power(AC) Input	*1	
	Power switch	*1	

	Support 8/10bit double lines LVDS(1920*1080)Hd display, support temperature control,Light sensitive function and nature color. OSD humanized operation menu,perfect factory setting pattern, Android 5.0 +, etc	
Input/Output interface	HDMI input port	*4
	HDMI output port	*1
	LAN port	*1
	EARPHONE output port	*1
	SPDIF port	*1
	OPS port	*2
	MEDIA-USB	*1
	TOUCH-USB	*4
	USB2.0 port	*2
	USB3.0 port	*2
long-range control port	RS232	RS232-IN*1; RS232-OUT*1
Structure	net weight	61.95 Kg±1.5Kg(Hanging and accessories)
	Gross weight (carton/wooden case)	79.1 Kg±1.5Kg
	Boundary dimension (WxHxD)	1736.8*109.5*1055.3mm
	Packing size (W x D x H)	1990*350*1315mm(Heavy cartons /sideways)
	shell material (face frame / back cover)	Aluminum/plastic
	Shell color (face frame / back cover)	black
	Width of frame (T/B/L/R)	26.5 / 66.5 / 26.5 / 26.5 mm
	VESA hole site	4-M8 hole 600mm*400mm
language	OSD	English/Chinese
accessory	remote-control	*1
	power line	*1
	Touch Pen	*2
	certificate of soundness	*1
	User manual	*1
	Warranty card	*1

1.3 Interface Specification

Bottom left of the front: TV-AUDIO \ TV-MIC\PC-USB \ MEDIA-USB \ TOUCH-USB \ HDMI

Left side of the back: AV-OUT \YPBPR\ AV-IN \L-IN\R-IN\USB 3.0\USB 3.0\USB 2.0\EARPHONE\SPDIF\TOUCH-USB 1-4\OPS PC-USB\RS232\RS232-OUT

Left bottom of the back: HDMI1 \ HDMI2 \ HDMI3 \ HDMI-OUT \ LAN \ HDMI4\VGA\PC-AUDIO\TV

Chapter 2 Specification of Touch Frame

2.1 Product Summary

High precision of infrared touch frame, the resolution of the interpolation algorithm can be as high as 32767*32767.

Support plug and play.

Maximum support 10 point touch.

2.2 Main Specifications and Parameters

Touching parameter	Touching	Infrared touch frame
	Glass	4mm tempered glass
	Transmittance of Glass	>88% (Higher transmittance depends on the glass surface treatment technology, like AR/AG)
	Interpolated Resolution	32768 × 32768
	Response speed	11ms
	Touching precision	More than 90% of the touch area of plus or minus 2 mm
	output mode	coordinate output
	Clicks on theory	Unlimited times
	Minimum touch objects	6mm
light resistance	With light resistance	

2.3 Electrical performance

Interface Type	USB2.0 Full speed
working voltage	DC+5V±6%
Power Consumption	≤1W
additional function	Bluetooth and Serial Port
Static level	According to EN 6100-4-2 2008: level3.contact-type discharge4 KV, Air type discharge 8KV

2.4 operating system and software

Firmware upgrade way	Windows 7 and Windows XP support USB upgrade
----------------------	--

<p>the system which support</p> <p>Multi-touch</p>	<p>Windows 7 Ultimate、Windows 7 Professional、Windows 7 Home Premium、Android(Must add the patch in the kernel code), The above system must have a multi-touch function, and the operating system must be original(not GHOST version), Otherwise will affect the touch</p>
<p>the system which support single</p>	<p>Windows 8 / Windows 7/ Windows XP / Mac OS / Andriod</p>