

Chapter 1 Specification Summary

1.1 Specification

	Model	Parameters	
board	LCD size	86"	
	LCD type	A Grade	
	Board model	K860WD90-LA400A1	
	incoming inspection standard of board	TBD	
	light source	LED Backlight	
	usage type of board	DID	
	resolution	3840 x 2160 (pixels)	
	Brightness (typ)/(min)	400cd/m ² (typ.)	
	contrast ratio (typ)	1200:1 (typ.)	
	response time (ms)	8ms (typ.)	
	Pixel Pitch	0.4935mm*0.4935mm	
	Frame rate	60Hz	
	viewing angle	178 degrees (H) / 178 degrees (V)	
	lifetime (typ)/(min)	30,000 hrs (min.)	
	colour saturation (x% NTSC)	65%	
	VIEWABLE AREA	1937*1108mm	
Chromaticiy	1.07Billon(10bit)		
program	Scalar	MSD6A828	
power supply	voltage	100 V ~ 240 V, 50-60 Hz	
	maximum value (Watt)	380W	
	Standby (Watt)	<0.5W	
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	
OS	CPU	architecture	ARM Cortex A53
		Frequency	1.2GHz
		Cores	Quad-Core
	GPU	Mali-450	
	RAM	2GB DDR3	
	ROM	8GB	
	Version	Android 5.0	

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.	
Input/Output interface	HDMI INPUT PORT	*4
	HDMI OUTPUT PORT	*1
	LAN PORT	*1
	EARPHONE OUTPUT PORT	*1
	SPDIF PORT	*1
	OPS PORT	*1
	MEDIA-USB	*2
	TOUCH-USB	*5
	PC-USB	*2
	USB3.0	*2
long-range control port	RS232	Input: RS232 x1; Output: RS232 x1
Structure	net weight	89.95Kg±1.5Kg
	Gross weight (carton/wooden case)	108.4 Kg±1.5Kg (Carton)
	Boundary dimension (WxHxD)	1990*114.5*1201mm
	Package size(WxHxD)(carton/wooden)	2200*360*1490mm (Carton)
	material	Aluminum (NCT)
	color	Black
	Width of frame (T/B/L/R)	26.5\66.5\26.5\26.5 mm
wall bracing	screw hole 4-M8 700mm*400mm	
language	OSD	English/Chinese
accessory	remote-control unit	*1
	Touch Pen	*2
	power line	*1
	manual	*1
	certificate of soundness	*1
	Warranty card	*1

1.1 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\Y Pb Pr\AV-IN\L-IN\R-IN\USB 3.0\USB 3.0\USB 2.0\EARPHONE\SPIDF\TOUCH USB1\TOUCH USB2\TOUCH USB3\TOUCH USB4\OPS PC-USB\RS232 IN\RS232 OUT

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

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 >88% (Higher transmittance depends on the glass surface treatment technology, like AR/AG)
	Transmittance of Glass	
	Border material	PC (four corner are hardware)
	Appearance color	amaranth
	Interpolated Resolution	32768 × 32768
	Response speed	9.5ms
	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
supply voltage	DC+5V±6%
Power consumption	≤2W
Additional function	Serial port and bluetooth

Static level	According to EN 6100-4-2 2008:3 level 3. contact-type discharge 4 KV. Air type discharge 8KV
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2.1 Operating system and software

Firmware upgrade method	Windows 8 , Windows 7 support USB upgrading
the system which support Multi-touch	Windows 7/8/10, Windows 7 Professional, Windows 7 Home Premium, Android (Must add the patch in kernel code), The above system must have a multi-touch function, and the operating system
Support platform	Windows 8 / Windows 7 / Windows XP / Mac OS / Android