

说明书

Specification

Customer:客户 _____

Model Name:型号 KYV-N5 V1

SPEC NO. : —

Date 日期: 2017. 04. 01

CUSTOMER APPROVAL 客户确认

Please return to us one copy of “SPECIFICATION”

with your approved signatures

确认后请回传

Approved By:		Chop and Signatures
Date:		

目录 Contents

1,变更记录 Revision Record.....	
2,概述 Overview.....	
3,应用 Application.....	
4,特点 Characteristic.....	
5,外形尺寸 Outline Dimension.....	
6,产品图片 Picture.....	
7,电气回路 Electrical Circuit.....	
8,接口定义 Definition of Connector.....	
9,可靠性测试 Reliability Test.....	
10,条形码说明 Barcode Description.....	
11,服务承诺 Commitment.....	
12,性能和品质变更通知 Notification of Performance and Quality changing.....	
13,声明 Disclaimer.....	

详细说明

1, 变更记录 Revision Records

版本号 Version No.	发布日期 Date	修改内容 Contents	新版本号 New Version
KYV-N5 V1			

2, 概述 Overview

KYV-N5 V1 是专门为数字 TFT-LCD 设计的高性能驱动板，可支持屏的尺寸有 3.5inch, 4.3inch, 5.0inch, 5.6inch, 7.0inch, 8.0inch, 8.4inch, 10.2inch 等。

KYV-N5 V1 is a high-performance driver board specifically designed for digital TFT-LCD, which can be used for screen sizes from 3.5inch, 4.3inch, 5.0inch, 5.6inch, 7.0inch, 8.0inch, 8.4inch, 10.2inch, etc.

3,应用领域 Application

工业控制，可视对讲，仪器仪表，医疗设备，安防监控，车载显示，银行票据验收仪器，POS 机等多种场合。

Industry, vision intercom, instruments, medical equipments, security monitor, vehicle display, bank bill acceptance instruments, POS machine and others.

4,特点 Characteristics

4.1,支持 HDMI (Version 1.1) Supportive HDMI(Version 1.1)

VGA(Resolution:640*480,800*480,800*600,1024*600,1024*768 ,
1280*800 and so on)

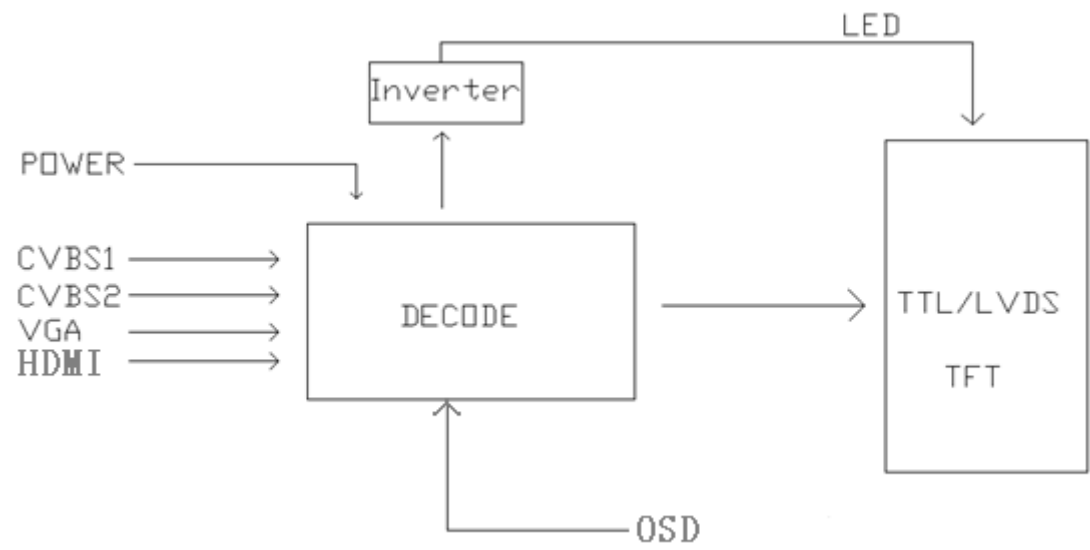
CVBS

4.2,输入电压 Input Voltage: DC+12V (9V-15V)

4.3,多功能 OSD, 支持亮度, 对比度等参数调节

Multi-function OSD, supportive for adjustment of luminance and
contrast ratio and other parameters

7，电气回路 Electrical Circuit



8，接口定义 Definition of Connector

电源 PowerJ1 (DC-2. 1-005)

电源 Power CN1/CN5

脚序号 Pin No.	定义 Definition	描述 Description
1	+12V	电源 Power
2	+12V	电源 Power
3	GND	地 Ground
4	GND	地 Ground

J2，HDMI

J3 VGA 接口 (VGA-15P-3.08)

CN2 VGA 接口 CONNECTOR

管脚序号 pin #	定义 Definition	描述 Description
1	SCL	I2C
2	SDA	I2C
3	GND	地 ground
4	B+	蓝色信号+ blue signal +
5	GND	地 ground
6	G+	绿色信号+ green signal+
7	GND	地 ground
8	R+	红色信号+ red signal+
9	GND	地 ground
10	HS	行同步信号 horizontal synchronizing signal
11	VS	场同步信号 field sync signal
12	GND	地 ground

信号输入 Singal Input CN3

脚序号 Pin No.	定义 Definition	描述 Description
1	CVBS2	AV2 输入 AV2 input
2	GND	地 Ground
3	CVBS1	AV1 输入 AV1 input
4	GND	地 Ground
5	ACC	倒车检测 12V (5V-16V) Reversing detection
6	GND	地 Ground

按键板接口 CN4 Connector of Keyboard

脚序号 Pin No.	定义 Definition	描述 Description
1	VCC +3.3V	按键板电源 Power
2	GND	地 Ground
3	IR INT	红外接受
4	KEY	按键板 AD 接口 Keyboard AD Connector
5	LED RED	按键板 LED Keyboard LED
6	LED GREEN	按键板 LED Keyboard LED

屏线接口定义: Definition of Screen Interface

FPC1 40pin: 支持 EJ080NA-04C, EJ070NA-01J, EJ101IA-01G 等相同接口的屏

FPC1 40pin: Supportive for screen of EJ080NA-04C,EJ070NA-01J, EJ101IA-01G as the same interface

FPC2 50pin: 支持 AT080TN52 EJ080NA-05A/B, AT070TN92
AT070TN94 等相同接口的屏

FPC2 50pin: Supportive for Screen of EJ080NA-05A/B,
AT070TN92, AT070TN94 as the same interface

另: 各屏接口定义请参考屏的规格书. 我司可提供各屏的规格书

P.S.: Please refer to screen specification about definition of interface. Our company can provide the specification of all screens.

9, 可靠性实验 Reliability Test

类别 Classification	试 验 项目 Items	试验条件 Test Condition	试验数量 Tested Quantity	判定标准 Standard Of Judge
保存环境试验 Storage Temperature	高温试验 High Temperature	+70 96Hr	2	
	低温试验 Low Temperature Test	-20 96Hr	2	
工作环境试验 Operation Test	高温试验 High Temperature	+60 96Hr	2	实 验 过 程 应 均
	低温试验 Low Temperature	-10 96Hr	2	
冷启动试验 Cold Start	冷启动试 验 Cold Start Test	在-10℃下存放40分钟后启动1次, 存放2 小时后启动4次(每隔5分钟1次), 存放 达4小时重复启动4次(每隔5分钟1次), 存放	2	

Test		达 8 小时后看是否正常启动. Start once after storage 40 minutes at -10 °C ; Start 4 times every (once every 5 minutes) after 2 hours; Start 4 times (once every 5 minutes)storage for 4 hours; Check if it can start normally after storage for 8 hours.		能 正 常 工作 It can work during experimental process
热循环试验 Thermal cycle test	热循环试验 Thermal cycle test	<div style="text-align: center;"> -10°C $\xrightarrow{30\text{min}}$ 25°C $\xrightarrow{30\text{min}}$ 60°C </div> 连续工作 30 个周期 continually 30 working period	2	
恒温恒湿试验 Constant temperature and humidity test		<div style="text-align: center;"> $+60^{\circ}\text{C}$ $\xrightarrow{\quad}$ $90\%\text{RH}$ $\xrightarrow{\quad}$ </div> 连续工作 96 小时 Continually work for 96 hours	2	

备注:

- 1、试验要在无结露状况下实施;
- 2、试验后需放置在测试箱内, 常温常湿下, 24 小时后才可取该产品;

Note:

- 1.Test should be carried out without condensation;
2. After the test, it should be placed in the test box. In normal temperature and humidity, the product can be taken out after 24 hours.

10, 条形码说明 Barcode Description

定义	a	bbbb		cd	ef	gh	ijkl
品名							
AHX-PVI35-A	公司代码 Comapany	产品代码 product	025 4	年份后 2 位 (00-99) last 2 numbers of year	月 份 Month (01-	日 期 Date (01 -31)	产品序列号 SN (0001-9999) / 天

11, 服务承诺 Commitment

- 1, 本公司确保全部产品合格及正常运行, 并按照此规格书要求接受客户进货检验。如发现不符合技术要求的产品(另行协商项目除外), 客户可将当日进货之相同批号产品退回我司。若在生产线上发现不良现象, 可于允收日起 30 日内向我司要求交换, 但若不良之原因为客户生产线上所造成则不适用此条款。

The company ensures that all products are qualified and in normal operation, and require customer to inspect products according to this specification. If products do not meet the technical requirements (except for other negotiating items), the customer can return the products with the same batch number on the same day to us. If a defect is founded on the production line, it could be exchanged with us. within 30 days from the date of receiving. But if the defect is caused by the customer's production line, the situation would be not applicable for this.

- 2, 供方对相关产品提供 壹 年保修, 自出厂之日计。在此期间内, 对于非人为因素导致故障的产品, 给予免费维修或更换(收到故障品 2 周内); 超出保修期时间内, 或人为因素导致故障的产品, 本公司可酌情提供相应维护, 需方承担维修材料及相应费用。

We provides one year warranty for related products from factory date. During this period, the company can repair or replace the products for free (receipt of the faulty product within 2 weeks) for those products not caused by human; the company may provide maintenance for products out of warranty period or due to human factors, but the purchaser shall pay for expenses of materials for repairing materials.

12, 性能和品质变更通知

Notification of Performance and Quality changings

- 1, 若因设计或工程变更而影响产品性能和品质时, 必需提供相关文件, 经由双方确认后方能生产, 并将变更后之规格书或图面附于规格书后, 且追加标记。

If the product performance and quality are affected by design or engineering changes, it is necessary to provide relevant documents, which can be produced after confirmation by both parties, and specifications or drawings must be attached to the specifications

and marked after changing.

- 2, 当客户设计和制程需有所变更时, 需由客户通知厂商做变更, 并经由双方同意后
方能生产, 以确保双方制程工程的稳定及产品品质。

When the customer's design and production process need to be changed, the customer must notify the manufacturer to make the change. After both of two parties agree, the production can continue which ensure the stability of the process engineering and product quality.

- 3, 若使用与规格书中不同之材料, 则我司需于变更前向客户 提出变更申请, 客户批准后方能进行变更。

If using different materials from those in the specification, we needs to apply to the customer for submitting a change. After approval of customer, the production can go on with change.