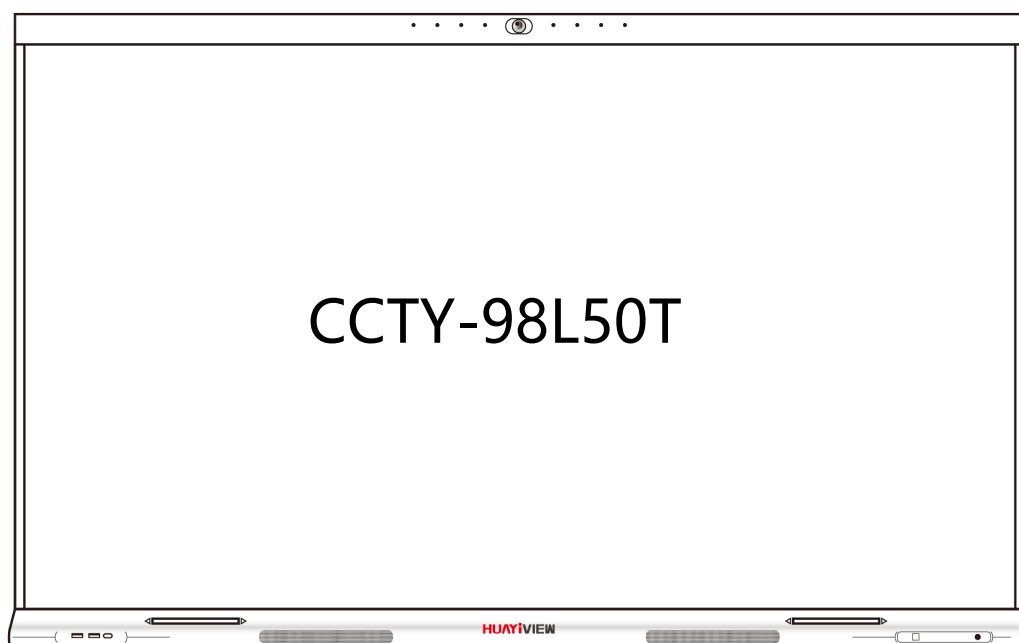


# HUAYIVIEW 技术类文件

《HUAYIVIEW液晶电子白板CCTY-98L50T技术规格书》



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服务热线：400-686-5775

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## 1 适用范围(Scope)

本规格书适用我司生产的 98 寸液晶电子白板：CCTY-98L50T。  
(This specification applies to 98 inch LCD whiteboard: CCTY-98L50T.)

## 2 产品视图(Product View)

(产品尺寸图详见附页)



备注：图片仅供参考，请以实际机器为准。

(The picture is for reference only, specific to prevail in kind.)

### 3 产品特性(Function)

- ◆ 钢化玻璃与屏幕之间的距离接近 0，有效防止光线反射，显示效果绝佳，书写体验优异。(The distance between the tempered glass and the screen is close to 0, which preventing the reflection of light effectively, showing excellent effect and excellent writing experience.)
- ◆ 高精度触摸，支持 2.0mm 精细识别，支持 6 支 2.8mm 同时书写。  
(High accuracy touch screen, supporting 1 point 2.0mm precision writing and 6 points 2.8mm simultaneous writing.)
- ◆ 最低 3.2mm 书写高度，书写体验更加流畅。  
(Writing height below 3.0mm to bring smoother writing experience.)
- ◆ 全通道批注，带 Android 书写软件。  
(All-channel annotating, built-in Android writing software.)
- ◆ 智能侧边栏菜单。  
(Smart sidebar menu.)
- ◆ 自带 Android 系统，可选配插拔式 OPS 电脑。  
(Built-in Android system and optional with OPS computer module.)
- ◆ 双 LAN 口桥接，支持 Android 系统、OPS(Windows 系统)和外置 PC 多系统网络桥接。(Double LAN bridging, supporting Android, OPS (Windows system) and external PC realize network bridging.)
- ◆ 前置 Public USB 接口自动跟随。(Public USB port auto switch.)
- ◆ 隐藏式内置天线。(Antenna hidden inside.)
- ◆ 全通道 HDMI 同屏输出。(All channel can be same screen-outed by HDMI.)
- ◆ 自带锁屏功能。(Screen lock.)
- ◆ 前置 Type-C 接口。(Front Type-C port.)
- ◆ 4K UI 显示(4K UI display.)
- ◆ 内置 800W 摄像头。(Built-in 800W HD camera.)
- ◆ 内置阵列麦克风。(Built-in 6-mic array.)
- ◆ 内置 NFC。(Built-in NFC module.)
- ◆ 提笔感应，在开机状态下提笔选择白板或批注功能。  
(Pen picking detection, you can select the whiteboard or annotation function when picking the pen at startup.)

#### 4 产品规格(Specification)

|                      | 项目(Item)                   | 参数(Parameter)                        |
|----------------------|----------------------------|--------------------------------------|
| 显示参数<br>(Display)    | LCD 尺寸(Size)               | 97.5"                                |
|                      | LCD 供应商(Brand)             | D-LED                                |
|                      | 背光类型(Backlight Type)       | 3840x2160(pixels)                    |
|                      | 分辨率(Resolution)(pixels)    | 400cd/m <sup>2</sup> (min.)          |
|                      | 亮度(Brightness)             | 450cd/m <sup>2</sup> (typ.)          |
|                      |                            | 1200:1(typ.)                         |
|                      | 对比度(Contrast Ratio)        | 8ms (typ.)                           |
|                      | 响应时间(Response Time)        | 0.5622(H)x0.5622(V)                  |
|                      | 像素点距(Pixel Pitch)(mm)      | 60Hz                                 |
|                      | 视角(Viewing Angle)          | 178°(H) / 178°(V)                    |
|                      | 寿命(Life Time)              | 30,000 hrs (min.)                    |
|                      | 色域(Color Gamut)(X% NTSC)   | 70%(typ.)                            |
|                      | 可视面积(View Area)(mm)        | 2158.85(H)x1214.35(V)                |
| 电气参数<br>(Electrical) | 色彩度(Display Colors)        | 1.07B(10bit)                         |
|                      | 主芯片(Chipset)               | A311D2                               |
|                      | CPU                        | 架构(Architecture)                     |
|                      |                            | 工作主频(Working Frequency)              |
|                      |                            | 核心数(Core)                            |
|                      | GPU                        | MaliG52 MP8                          |
|                      | 内部缓存容量(RAM)                | 4GB /8GB 可选配 , can up to 8GB LPDDR4X |
|                      | 内部存储容量(ROM)                | 32GB/64GB 可选配, can up to 64GB        |
|                      | 系统版本(OS)                   | Android 11                           |
|                      | 电压(Power Requirements)     | AC 100 V ~ 240 V, 50/60 Hz           |
|                      |                            | 480W                                 |
|                      | 最大功率(不带 OPS)               | <0.5W                                |
|                      | 待机功率(Standby Condition)    | 2x16W/8Ω                             |
|                      | 最大伴音功率(Audio Output Power) | 16W/4Ω                               |
|                      | OPS 电源(OPS Power)          | DC 18V/5A                            |

|                     |                     |    |                                                                                                                                                                          |
|---------------------|---------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 主板接口<br>(Interface) | HDMI IN             | ×2 | 最高分辨率支持(Max Resolution): 3840×2160@60Hz<br>版本(Version): HDMI 2.0<br>HDMI1 支持 ARC 功能;HDMI1<br>Support ARC                                                                 |
|                     | DP IN               | ×1 | 最高分辨率支持(Max Resolution):3840×2160@60Hz<br>版本(Version): DP1.2a                                                                                                            |
|                     | Type-C              | ×1 | 仅支持 DFP 模式(DFP Mode only) PD 支持 15W<br>最 高 分 辨 率 支 持 (Max Resolution):3840 × 2160@60Hz 接 口<br>(Interface): USB Type-C                                                    |
|                     | VGA IN              | ×1 | 信号阻抗(Input Impedance): 75Ω; 幅度(Level): 0.7 ± 0.15Vp-p;<br>最高分辨率支持(Max Resolution):<br>1920×1080@60Hz 接口(Interface): DB15                                                 |
|                     | AUDIO IN            | ×1 | 输入幅度(L/R)(Input level ): 0.2-2Vrms<br>接口(Interface): Φ3.5mm mini interface                                                                                               |
|                     | LAN                 | ×2 | 10M/100M/1000M 自适应<br>(10M/100M/1000Mbps Base-T)<br>接口(Interface): RJ-45                                                                                                 |
|                     | USB2.0              | ×1 | 支持图片、音乐、视频文件播放, 软 件升级功能, 不支持跟随功能<br>Support images, music, video file playback,and Firmware<br>Upgrade,Android system use only.<br>接口(Interface): USB2.0 Type-A          |
|                     | USB3.0              | ×2 | 支持图片、音乐、视频文件播放, 支 持跟随功能, 不支持升级功能<br>Smart follow interface,Support images,music,video file<br>playback,Can not use for Firmware Upgrade.<br>接口(Interface): USB3.0 Type-A |
|                     | TOUCH               | ×3 | HDMI1、HDMI2、DP、VGA 等信源<br>的 Touch 接口 Touch port for HDMI1\HDMI2\DP\VGA<br>接口(Interface): USB3.0 Type-B                                                                   |
|                     | MIC IN              | ×1 | 接口(Interface): Φ3.5mm mini interface                                                                                                                                     |
|                     | SPDIF               | ×1 | 最大传输速度(Max speed): 16Mbps<br>接口(Interface): 光纤端子(Optical)                                                                                                                |
|                     | RS232 IN            | ×1 | RS232 Input 接口(Interface): DB9                                                                                                                                           |
|                     | AUDIO OUT<br>MIC IN | ×1 | 最大输出幅度(L/R)(Output level ):<br>110mVrms±40mVrms (@500mVrms 1KHZ, load 32Ω)<br>接口(Interface): Φ3.5mm mini interface                                                       |

|                                           |                                |    |                                                                                                                 |      |
|-------------------------------------------|--------------------------------|----|-----------------------------------------------------------------------------------------------------------------|------|
| 主板接口<br>(Interface)                       | SD CARD                        | ×1 | 支持 TF 卡（Support TF Card） 接口 (Interface): Micro SD card socket 备注 : 设备出厂前可选配; Remarks: optional before delivery  |      |
|                                           | HDMI OUT                       | ×1 | 最高分辨率支持(Max Resolution): 3840 ×2160@60HZ 版本(Version): HDMI2.0 支持全通道同屏输出 All channel can be same screen-outed by |      |
| 前置接口<br>(front Interface)                 | Type-C                         | x1 | Power output: 60W(20V/3A)<br>Up to 3840x2160@60Hz Support DRP mode nterface: Type-C                             |      |
|                                           | Public USB                     | X2 | Version: USB3.0 Interface: Type-A                                                                               |      |
| NFC                                       | 标准(standard)                   |    | ISO/IEC 14443 A / ISO/IEC 14443 B                                                                               |      |
|                                           | 支持 NFC 卡类型 (Support card type) |    | MIFARE FeliCa                                                                                                   |      |
|                                           | 读写距离(Read-write distance)      |    | <30mm                                                                                                           |      |
|                                           | 读写速度(Read/write speed)         |    | 106 To 424kbps                                                                                                  |      |
|                                           | 读写延时(Read and write latency)   |    | <100ms                                                                                                          |      |
| WIFI<br>标配                                | 主芯片(Main Chipset)              |    | Mediatek MT7663BU                                                                                               |      |
|                                           | 频段(Operating Frequency)        |    | 2.4GHz/5GHz                                                                                                     |      |
|                                           | WIFI 标准(WI-FI Standard)        |    | 802.11a/b/g/n/ac                                                                                                |      |
|                                           | 蓝牙(Bluetooth)                  |    | 2.1+EDR/4.2/5.0                                                                                                 |      |
| 双 WIFI<br>(Dual WiFi)<br>选配<br>(optional) | 主芯片(Main Chipset)              |    | Mediatek MT7663BU+Realtek RTL8822BU                                                                             |      |
|                                           | 频段(Operating Frequency)        |    | 2.4GHz/5GHz                                                                                                     |      |
|                                           | WIFI 标准(WI-FI Standard)        |    | 802.11a/b/g/n/ac                                                                                                |      |
|                                           | 蓝牙(Bluetooth)                  |    | 2.1+EDR/4.2/5.0                                                                                                 |      |
| 摄像头参数<br>(Camera)                         | 像素（像素尺寸）                       |    | 800W                                                                                                            |      |
|                                           | 镜头视角（FOV）                      |    | DIAGONAL                                                                                                        | 103° |
|                                           | 像素（Array Size）                 |    | MJPEG : 3840*2160(30fps),<br>1920*1080(30fps)<br>1280*720(30fps),                                               |      |

|                            |                                                     |                                                       |
|----------------------------|-----------------------------------------------------|-------------------------------------------------------|
| 阵列麦克风<br>参数<br>(Array Mic) | 阵列麦数量(Array quantity)                               | 8-mic                                                 |
|                            | 拾音范围(Pick up Area)                                  | 8m (Angle: 45°~135°)                                  |
|                            | 回声消除(AEC)                                           | 支持(support)                                           |
|                            | 自动增益(AGC)                                           | 支持(support)                                           |
|                            | 语音增强(Speech enhancement)                            | 支持(support)                                           |
|                            | 稳态噪声抑制能力(Steady-state noise suppression capability) | 20dB                                                  |
|                            | 灵敏度(sensitivity)                                    | - 26(dB,dBFS@1kHz 1Pa)                                |
|                            | 信号输出形式(output signal )                              | USB 信号输出(USB output)                                  |
| 触摸参数<br>(Touch)            | 触摸规格(Sensing Type)                                  | 红外触摸框( Infrared Touch Frame)                          |
|                            | 玻璃规格(Surface Protection)                            | 4.0mm 钢化玻璃(4.0mm Toughened Glass)                     |
|                            | 最大输出点数(Infrared Touch)                              | 40点(40 Points)                                        |
|                            | 插 值 分 辨 率 (Interpolation)                           | 32768 x32768                                          |
|                            | 触摸精度(Touch Accuracy)                                | 中间90%触摸区域为?mm(?mm)                                    |
|                            | 响应时间(Response Time)                                 | ≤10ms                                                 |
|                            | 输出形式(Output Mode)                                   | HID 标准(HID Standard)                                  |
|                            | 理论点击次数(Theory Clicks)                               | 无限次(Unlimited)                                        |
|                            | 触 摸 直 径 (Minimum Touch Object)                      | 单点≥1.6mm(Single touch ≥1.6mm)                         |
|                            |                                                     | 多点≥2mm(Multiple touch ≥2mm)                           |
|                            | 接口类型(Connect Type)                                  | USB2.0全速(USB2.0 Full Speed)                           |
|                            | 工作电压(Voltage)                                       | DC+5V±5%                                              |
|                            | 功耗(Power Consumption)                               | ≤2W                                                   |
|                            | Windows 10/8/7,Android                              | 支持多点(Multiple Touch)                                  |
|                            | Windows XP,<br>Linux,Mac OSX,Chrome                 | 支持单点(Single Touch)                                    |
| 结构参数<br>(Structure)        | 裸机外形尺寸 (W x D x H)<br>[Product Size (W x D x H) ]   | 2230.8mm x121.7mm x1356.4mm                           |
|                            | 包装尺寸(WxDxH)<br>(Package Size(W x D x H))            | 2470mmx325mmx1611mm                                   |
|                            | 外壳材料(面框/后壳)(Housing Material)                       | 铝型材/钣金 (Aluminum/Metal plate)                         |
|                            | 外壳颜色(面框/后壳)<br>(Housing Color)                      | 黑色&深枪色/黑色(Black&Dark pewter/Black)                    |
|                            | 壁挂孔位(VESA)                                          | 4-M8 螺丝孔 800mmx600mm<br>(4-M8 Screw Hole 800mmx600mm) |



## 5 附件(Accessories)

| 附件(Accessories)                  | 数量(Quantity)              |
|----------------------------------|---------------------------|
| 遥控器(Remote Control)              | x1                        |
| 触摸笔(Touch Pen)                   | x2                        |
| 3m 电源线(Power Cord)               | x1                        |
| 3m USB A-B 线(USB A-B Cable)      | x1                        |
| 3m HDMI 线(HDMI Cable)            | x1                        |
| 合格证(Qualified Certificate Lable) | x1                        |
| 说明书(Instruction)                 | x1 (Electronic documents) |
| 保修卡(Warranty Card)               | x1                        |
| 壁挂件(Wall Mount)                  | x1                        |

## 6 环境条件 (Environment)

- ◆ 工作温度: 0 ~ + 40°C。  
(Operating temperature 0 ~ + 40°C.)
- ◆ 储存温度: -10°C ~ +60°C。  
(Storage temperature -10°C ~ +60°C.)
- ◆ 工作湿度: 20% ~ 80% 非凝结。  
(Operating humidity 20% ~ 80% RH Non-Condensing.)
- ◆ 储存湿度: 10% ~ 80% 非凝结。  
(Storage humidity 10% ~ 80% RH Non-Condensing.)
- ◆ 工作海拔: ≤5000m。  
(Operating altitude ≤5000m.)
- ◆ 使用时长: 18 小时? 天。  
(The longest service time 18 Hours×7 days.)

## 7 免责声明(Disclaimer)

本产品因受配置及生产工艺等诸多方面影响, 实际尺寸/重量可能会存在差异, 规格书仅供参考, 请以实际为准。

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请严格按照整机要求的存储条件进行存储, 不当存储可能会造成异常。如遇有涉及到上述修改及更新的情形, 恕不另行通知。

Due to the influence of many aspects such as configuration and manufacturing process, the actual size/weight of this product may vary. The specification is for reference only, please refer to the actual situation.

The product pictures attached to this specification are only for illustrative display, the actual effect (including but not limited to appearance, color, size) may be slightly different, please refer to the actual product.

The packaging materials for this product are designed in strict accordance with the storage conditions of this product. Abnormalities caused by extreme weather and long storage time cannot be guaranteed to be completely avoided. Please be informed.

Please store in strict accordance with the required storage conditions. Improper storage may cause abnormalities.

In case of any situation involving the above modification and update, no prior notice will be given.



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