

# 数码监视器 MONITOR

**72-MC25P0-001**

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Product Implementation Standard No.:Q/WP1034-2005

产品标准备案号:QB/44130033952-2005

Product Standardization File No.:QB/44130033952-2005

尊敬的客户:如在使用中遇到问题,请拨打TCL全国统一用户服务热线4008-123456咨询。

If you encounter any problem with your monitor, please call TCL nationwide customer service hotline 4008-123456 for assistance.



**TCL集团股份有限公司**

地址:广东省惠州市仲恺高新技术开发区十九号小区

**TCL CORPORATION**

No.19 District, Zhongkai High-tech Development Zone, Huizhou City, Guangdong Province

电话(TEL):4008-123456

传真(FAX):0752-2636307

邮编(ZIP CODE):516006

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## MC25P

彩色监视器  
COLOR MONITOR

### 使用说明书 OPERATION MANUAL

尊敬的客户,因本机功能较多,为了充分有效地应用各项功能,使用前,请您仔细阅读本机使用说明书。

This unit is with multi functions, so for better performance please read the instructions carefully before your operation.

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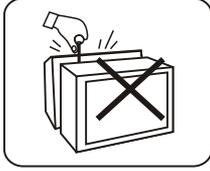
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## 装箱单

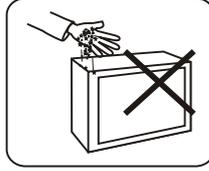
- 主机一台
- 遥控器一个, 7号电池两节, 有线遥控连接线一根
- 说明书一套(含保修单、合格证等)

## 警告注意

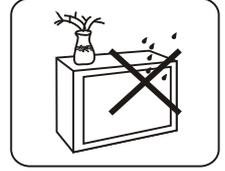
### 警告



机内有高压，非专业人员切勿打开后盖，以防触电。

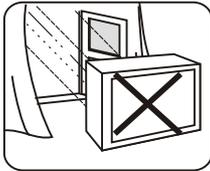


切勿将异物(如：铁屑、项链、硬币等)掉入机内，以防引起电路短路着火，损坏监视器。

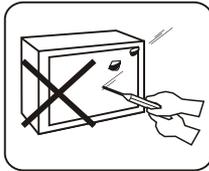


监视器不应遭受水滴或水溅。监视器上不应放置花瓶一类装满液体的物品。

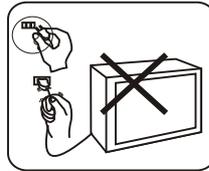
### 注意



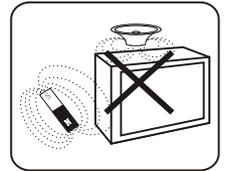
监视器严禁雨淋、受潮和严重的灰尘侵蚀，以防引起触电或电路短路着火。



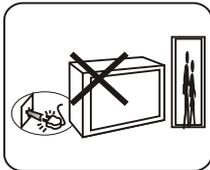
勿使监视器(尤其是荧光屏)受到硬质物撞击，搬运、装卸时应特别注意。



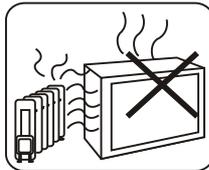
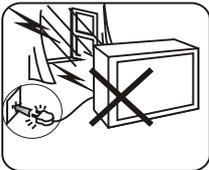
应注意保护好监视器的电源及插头，切勿因强拉重压使其损伤。



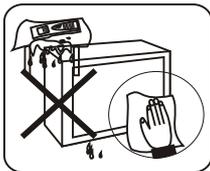
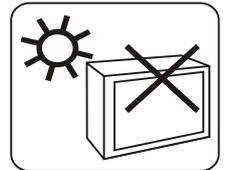
监视器应远离扬声器、电动机、变压器等磁性物品，以免引起彩色异常。



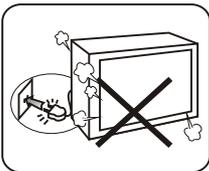
长期外出或雷电时请将电源插头拔掉。



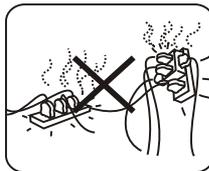
机内温度过高易引起监视器损坏，应保证监视器通风良好，切勿堵挡监视器散热孔。监视器应远离热源(如：暖气、火炉等处)，并避免阳光直射。



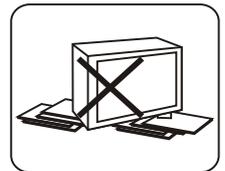
勿用酒精、氨水、稀释剂等清洗监视器表面，若确有需要，请用湿海绵或软布(可加少量中性洗涤剂)拧干后清洗，并切记在清洗前切断电源。



监视器使用过程中发现异常(如有异味等)或不慎将异物落入机内，应立即关闭监视器并拔出插头，尽快与维修单位联系检修。



应根据监视器的电源消耗功率选择合适的电源插座，勿与其它电器共用插座。



应根据监视器的重量将其放置于有足够强度的支撑台上，并要安放稳定，以免使监视器受到跌落等冲击而损坏。

## 机型特点

- 双路AV ( AV1,AV2)输入输出环通电路, 一路S端子输入
- 一路HDTV信号YPbPr输入,一路电脑信号RGB输入
- 多种成像模式

PAL 制图像具备以下成像模式:

(1)60Hz数字逐行 (2)75Hz数字逐行 (3)75Hz逐点清晰 (4)100Hz数字倍频

NTSC制图像具备以下成像模式:

(1)60Hz数字逐行

## 技术规格

适合制式	AV:PAL、N358(NTSC3.58)、N443(NTSC4.43)
AV1、AV2输入输出环通	视频1.0Vp-p
S端子输入	亮度信号1.0Vp-p; 色度信号0.7Vp-p
HDTV分量信号YPbPr输入	亮度信号, 1.0Vp-p; 色度信号, 0.7Vp-p;支持HDTV信号包括: 1920×1080P/60Hz, 1920×1080i/60Hz, 1920×1080i/50Hz, 525P/625P(DVD逐行分量信号输入), 720P
电脑信号输入	R、G、B信号, 0.7Vp-p可支持显示的输入信号格式包括: VGA 640×480 /60Hz, SVGA 800×600 /60Hz, XGA1024×768 /60Hz
工作电压范围	160V-250V~ 50Hz
整机消耗功率	140W
可视图像对角线尺寸	59cm
外形尺寸(mm)	590×553×484 (宽×深×高)
质量	约38kg

## 遥控器

### 遥控器电池的安裝

打开遥控器背面的电池盒盖，然后按电池盒内所标注的极性相应放入两节7号1.5V电池，最后把电池盒盖盖上。

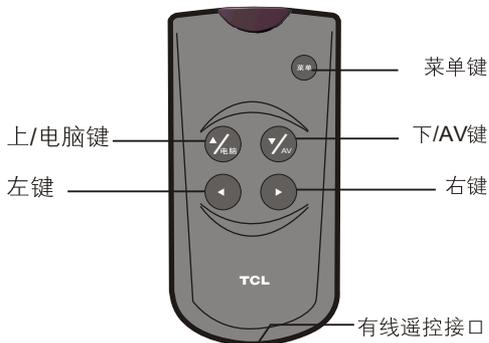
### 遥控器的使用

1、有线遥控：将随机所附遥控器连接线一端插入遥控器“有线遥控接口”，另一端连于主机后盖“遥控器接口”，即可操作、调整画面等,有线遥控方式便于对单台监视器进行遥控操作，而不会影响其他监视器。

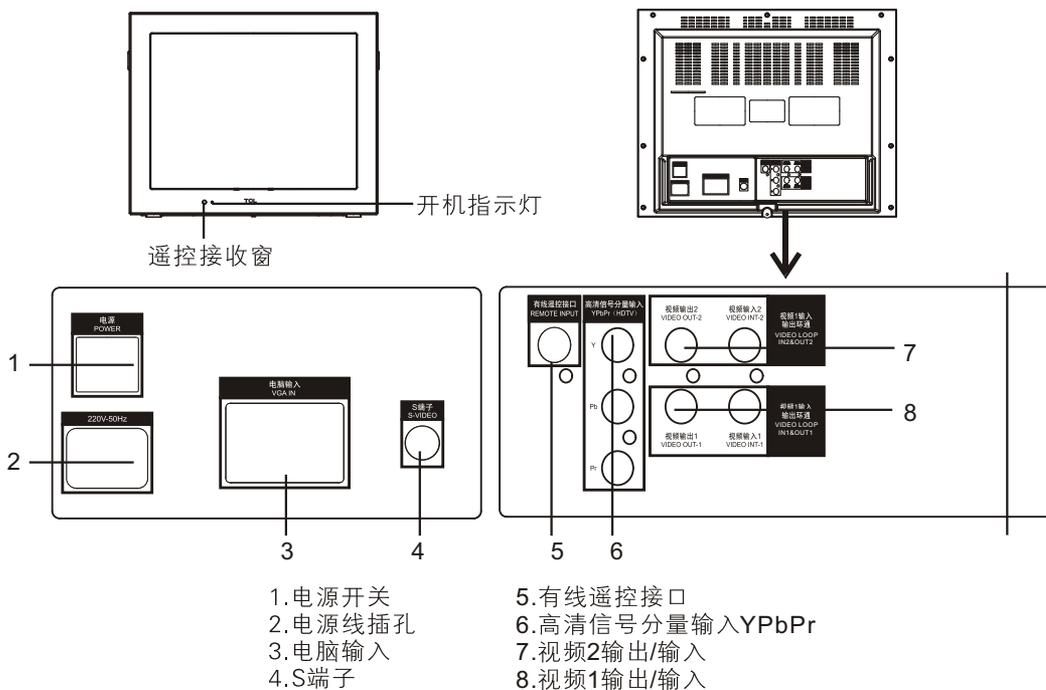
2、无线遥控：不需要连接遥控器“有线遥控接口”，只需要将遥控器对准主机前面的遥控接收窗进行操作。无线遥控方式对某台监视器进行遥控操作时，同时可能会影响到同房间的其他监视器的工作状态。

### 注意：

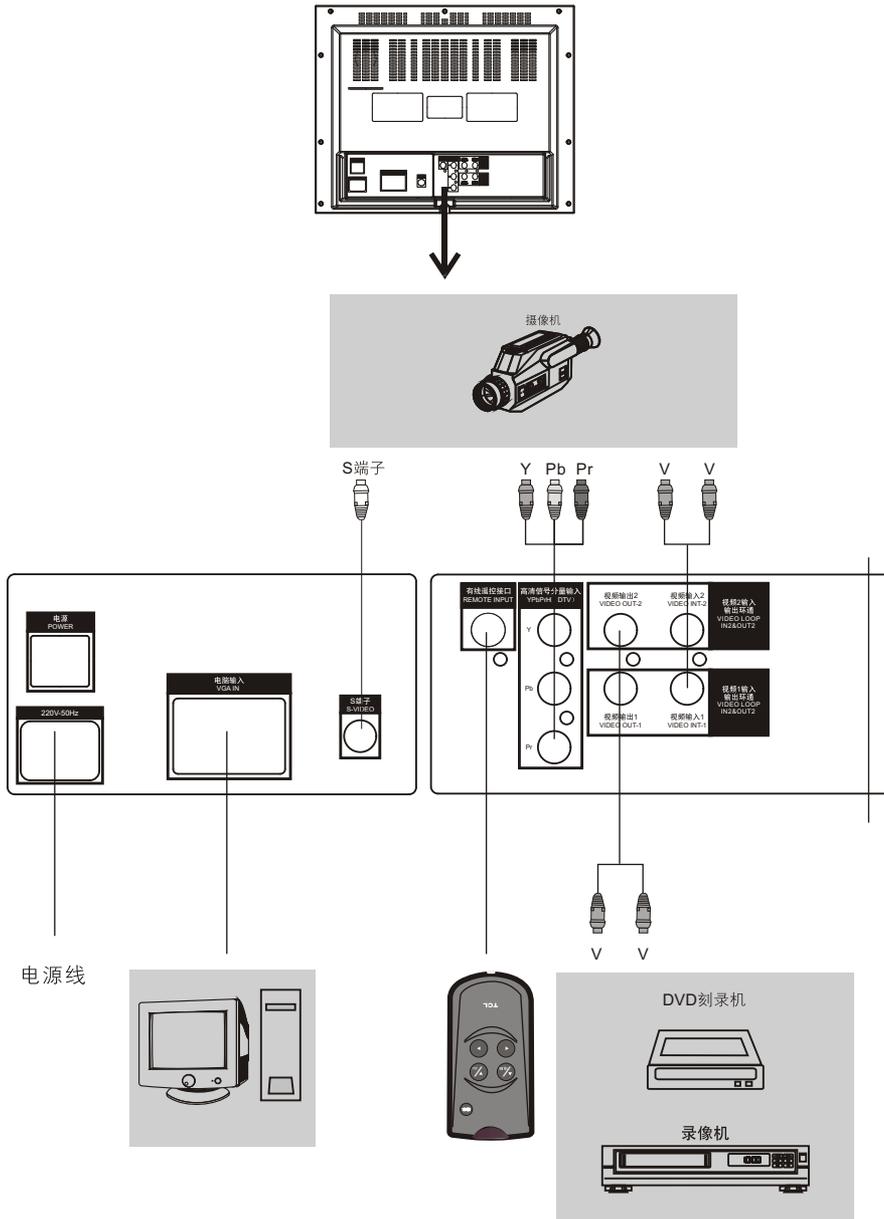
1. 为确保遥控器良好的操作性能，如发现操作不正常，请换电池再试。
2. 不要将新、旧电池或不同型号的电池混合使用。
3. 电池电力微弱时会发生泄漏电解液现象，这会损坏遥控器。一旦发现电力微弱，应尽快更换电池。
4. 若长期不使用遥控器，请把电池取出，以免电池泄漏电解液。



## 外观图解



# 连接示意图



# 监视器操作

## 1.开/关监视器

开机：按主机后面电源开关的“**I**”，指示灯亮，数秒后指示灯闪烁，显示出图像。

关机：按主机后面电源开关的“**O**”，关闭电源。

## 2.AV1/AV2/S-VHS状态切换

按遥控器上的“**下/AV**”键，可选择监视器的信号源。连续按遥控器上的“**下/AV**”键，AV1、AV2、S-VHS状态循环出现。

## 3.HDTV/电脑状态切换

按遥控器上的“**上/电脑**”键，可选择监视器输入的电脑或高清信号源，连续按遥控器上的“**上/电脑**”键，VGA、HDTV模式循环出现。

## 4.HDTV信号显示模式的调整



1.当输入信号为1080i、1080P、720P模式时，应该将扫描模式调为16:9。

2.按“菜单”键和“**下/AV**”键进入“系统”菜单，按“**右**”键，光标右移，按“**下/AV**”键，选择扫描模式“4:3”，按“**右**”键选择：16:9“模式。。”

## 5.图像调整

按“菜单”键，进入“图像”菜单。按“**上/电脑**”键或“**下/AV**”键选择各项，再用“**左/右**”键对各项进行调节。

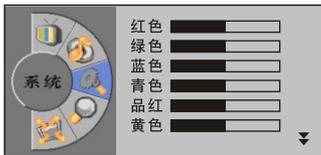
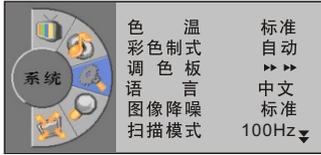


此图标表示，按“**下/AV**”键可继续选择未出现的项。其他菜单均同此说明。

项目	调整效果		说明
	按左键	按右键	
亮度	变暗	变亮	调节画面的亮度，一般与对比度配合使用
对比度	减弱	增强	调节画面黑白层次
色度	变淡	变深	调节色彩的鲜艳度(饱和度)
清晰度	柔和	清晰	调节画面清晰度
色调	偏绿	偏紫	在PAL制式时无此功能
肤色校正	开/关		调整肤色
图像状态	自设/柔和/标准/明亮		图像调整选择

## 6.系统设置

按“菜单”键，进入“系统”菜单。按“上/电脑”键或“下/AV”键选择各项，再用“左/右”键对各项进行调节。



项目	调整说明														
色温	标准/暖/冷														
彩色制式	自动/N443/N358/PAL														
调色板	进入子菜单，可对红色、绿色、蓝色、青色、品红、黄色、肤色进行分开调节，子菜单中选择“复位”项，按“左/右”键出现复位OK，表示清除对7种单色的调整，恢复到出厂设置的状态。														
语言	中文/ENG.														
图像降噪	标准/强/关														
扫描模式	100Hz/75Hz/P-75P/P-60P														
地磁校正	根据位置和方向不同对图像进行倾斜校正。														
浏览开关	开/关（选择“开”时，“浏览开关”项下面出现“浏览设定”菜单。）														
浏览设定	<p>进入子菜单，可设定浏览时间和选择需要浏览的信号通道。</p> <table border="1"> <thead> <tr> <th>选项</th> <th>调整说明</th> </tr> </thead> <tbody> <tr> <td>浏览时间</td> <td>可设定1-100秒内任意秒数，为每个信号通道的浏览停留时间。</td> </tr> <tr> <td>AV1</td> <td>开/关（开为选择，关为不选择，以下均同。）</td> </tr> <tr> <td>AV2</td> <td>开/关</td> </tr> <tr> <td>S-VHS</td> <td>开/关</td> </tr> <tr> <td>HDTV</td> <td>开/关</td> </tr> <tr> <td>VGA</td> <td>开/关</td> </tr> </tbody> </table> <p>注：在浏览过程中，按“菜单”键，浏览功能停止。如要继续浏览，请重新进入系统菜单，将“浏览开关”设为“开”。</p>	选项	调整说明	浏览时间	可设定1-100秒内任意秒数，为每个信号通道的浏览停留时间。	AV1	开/关（开为选择，关为不选择，以下均同。）	AV2	开/关	S-VHS	开/关	HDTV	开/关	VGA	开/关
选项	调整说明														
浏览时间	可设定1-100秒内任意秒数，为每个信号通道的浏览停留时间。														
AV1	开/关（开为选择，关为不选择，以下均同。）														
AV2	开/关														
S-VHS	开/关														
HDTV	开/关														
VGA	开/关														

## 7.调整HDTV及电脑显示模式下图像的几何大小



- 1.在HDTV或电脑显示模式下打开菜单。
- 2.按“上/电脑”键或“下/AV”键选择“几何”菜单，按“右”键进入。
- 3.用“上/电脑”键或“下/AV”键和“左/右”键选择并调整各项。
- 4.如果调整不满意，可按“下/AV”键选择“几何复位”项，按“右”键确认，则几何参数全部变0，几何尺寸恢复到出厂设置。

注：本产品的性能在不断地改进之中。如有更改，恕不另行通知。

## Contents

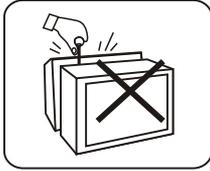
02	Warnings and Precautions
03	Features
03	Specifications
04	Remote Control
04	External Schematic
05	Connection Illustrations
06	Basic Operations
06	Turning on/off the Unit
06	AV1/AV2/S-VHS Selection
06	HDTV/VGA Selection
06	Aspect Ratio Selection in HDTV Mode
06	Picture Adjustments
07	System Settings
07	Geometrical Adjustments in HDTV and VGA mode

## Packing List

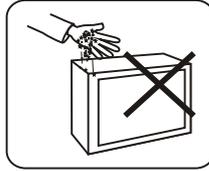
- Main Unit - one set
- Remote Control Handset - one set, including two AAA batteries and one remote control cable
- Operation Manual - one pc (including warranty card, quality certificate, etc.)

# Warnings and Precautions

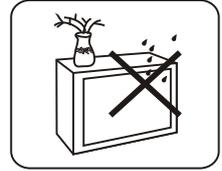
## Warnings



High voltage inside! To reduce the risk of electric shock, do not remove cover (or back). Refer servicing to qualified personnel.

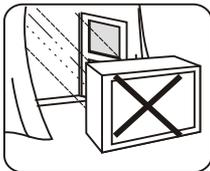


Do not push objects of any kind into the unit as this may cause fire or short circuit and damage the unit.

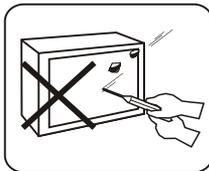


The unit shall not be exposed to dripping or splashing and no objects filled with liquids such as vases, shall be placed on the unit.

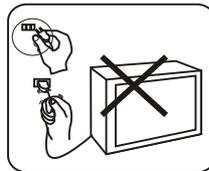
## Precautions



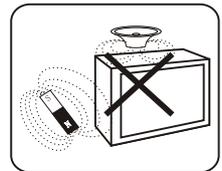
To prevent fire or shock hazard, do not expose the unit to rain, moisture or heavy dust areas.



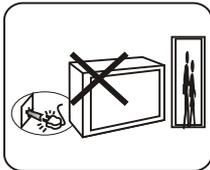
Protect the unit, especially the screen, from being touched by hard objects. Please take care during transportation and loading/unloading.



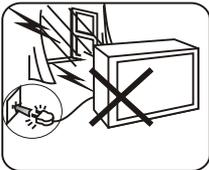
To protect the power cord, do not pull it or press it with excessive force.



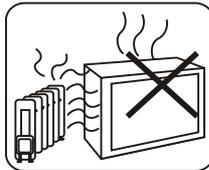
To avoid color abnormality, keep the unit away from the magnetic objects, such as the speaker, electromotor or transformer.



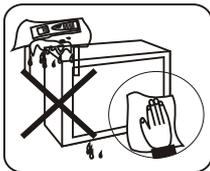
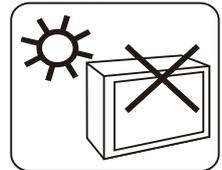
Remove the power plug when the unit will not be used for a long period of time, or when it is thunder or lightning.



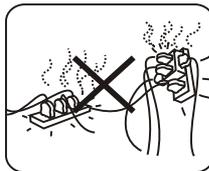
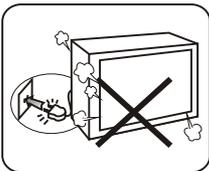
During your operation, if there is something abnormal found, such as strange smell, or if some objects fall into the unit, switch off and unplug the unit immediately and contact the service personnel as soon as possible.



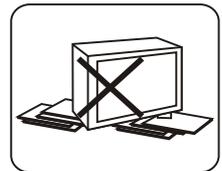
High temperature inside may cause the damage to the unit. Please keep it well ventilated and do not block the ventilation slots and openings. Keep away from heat sources such as stove and radiator and avoid direct sunshine.



Do not use chemicals such as alcohol, ammonia or thinner for cleaning. If necessary, use a piece of wet cloth or sponge with some diluted neutral detergent, wring dry for cleaning. Be sure to cut off the power before your cleaning.



Use suitable power outlet based on power consumption of the unit. Do not share a power outlet with other electrical appliances.



Place the unit on a platform strong enough for supporting. Keep it stable to avoid falling off and cause the damage.

## Features

- 2 AV (AV1,AV2) LOOP IN/OUT, 1 S-VIDEO Input
- 1YPbPr (HDTV) Input, 1 VGA (RGB) Input
- Multi Imaging Modes

Imaging Modes of PAL Pictures:

- (1)60Hz Digital Progressive Scanning (2)75Hz Digital Progressive Scanning
- (3)75Hz Interlaced Scanning (4)100Hz Digital Double Frequency

Imaging Mode of NTSC Pictures:

- (1)60Hz Progressive Scanning

## Specifications

Receiving System	AV: PAL, N358(NTSC3.58), N443(NTSC4.43)
AV1&AV2 Input/Output Loop	Video: 1.0Vp-p
S-VIDEO Input	Y: 1.0Vp-p; C: 0.7Vp-p
YPbPr (HDTV) Input	Y: 1.0Vp-p; C: 0.7Vp-p; supporting the following HDTV modes: 1920 × 1080P/60Hz, 1920 × 1080i/60Hz, 1920 × 1080i/50Hz, 525P/625P(DVD progressive component input),720P
VGA Input	R, G, B signals, 0.7Vp-p supporting the following input modes: VGA 640 × 480 /60Hz, SVGA 800 × 600 /60Hz, XGA1024 × 768 /60Hz
Operating Voltage	160V-250V ~ 50Hz
Power Consumption	140W
Visible Diagonal Size	59cm
Dimensions(mm)	590 × 553 × 484(WxDxH)
Gross Weight	About 38kg

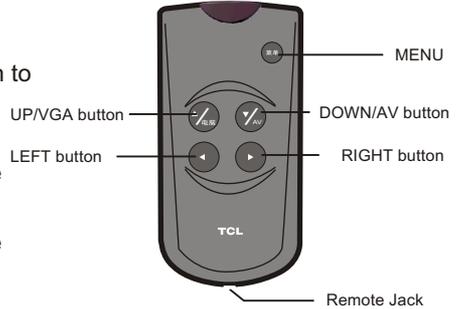
# Remote Control

## Battery Installation

Remove the battery compartment lid from the back of the remote, insert the 2 x 1.5V AAA batteries, paying attention to the polarity, and then replace the cover.

## Using the Remote Control

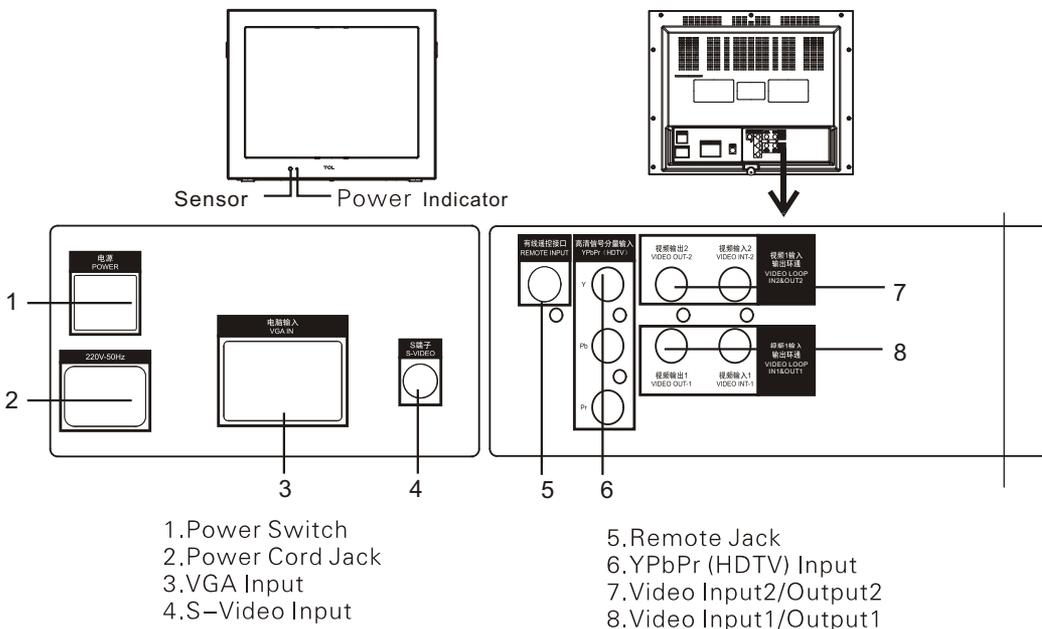
1. **Wire Remote:** Connect one end of the attached remote cable to the jack on the remote and the other end to the remote jack on the rear panel, then you can use this wire remote to adjust menu controls. Operations with the wire remote work only on the connected monitor.
2. **Wireless Remote:** No need to connect it with the remote jacks. Point this wireless remote directly toward the infra-red sensor on the unit. When you use the wireless remote to operate a certain monitor, this operation may affect the working status of other monitors in the same room.



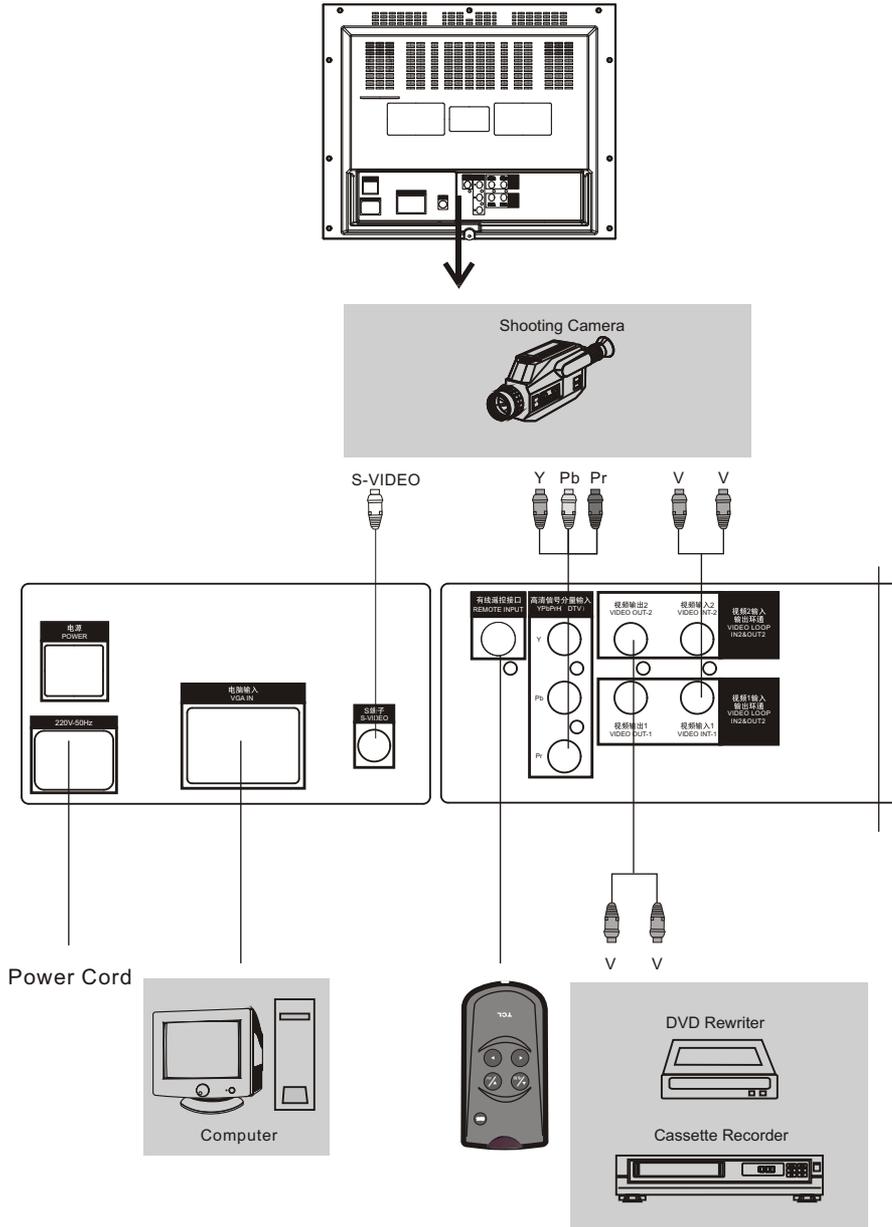
**Notes:**

1. For better performance, once you find the operation is abnormal, please replace the batteries and have a try again.
2. Do not mix old and new batteries or different types.
3. When the batteries are to be exhausted, battery leakage may occur and cause the damage to the remote. When the operation is not sensitive enough, the battery may be low, so please change batteries immediately.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.

# External Schematic



# Connection Illustrations



## Basic Operations

### 1. Turning on/off the Unit

Turning on: Press the "I" on the POWER button of the rear panel to turn on the unit, then the indicator lights. After a few seconds, the picture appears on the screen.

Turning off: press the "O" on the POWER button of the rear panel to turn the unit off.

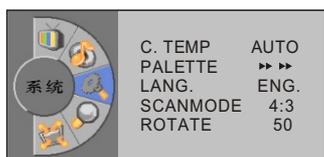
### 2.AV1/AV2/S-VHS Selection

Press the DOWN/AV button on the remote repeatedly to toggle between AV1,AV2 and S-VHS.

### 3.HDTV/VGA Selection

Press the UP/VGA button on the remote repeatedly to toggle among VGA and HDTV mode.

### 4. Aspect Ratio Selection in HDTV Mode



1. When the input signal is 1080i, 1080P or 720P, the aspect ratio should be set to 16:9.
2. Press the MENU button and DOWN/AV button to enter the SYSTEM menu. Press the RIGHT button to move the cursor rightward and then press the DOWN/AV button to highlight SCANMODE 4:3.
3. Press the RIGHT button to select 16:9.

### 5.Picture Adjustments

Press the MENU button to enter the PICTURE menu. Press the UP/VGA button or DOWN/AV button to make the selection and press the LEFT or RIGHT button to make the adjustments.

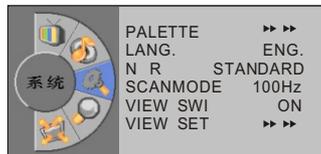


▼ This symbol means you can see more items by pressing the ▼ button. This note is also applicable to other menus.

Item	Adjustment		Explanation
	◀	▶	
BRI.	Decreases brightness	Increases brightness	Adjusts to brighten the darkest parts of the picture
Continue.	Decreases contrast	Increases contrast	Adjusts the distinction between the black and white parts of the picture
COLOUR	Decreases colour definition	Enhances colour definition	Adjusts to add or reduce the colour
SHARP	Makes picture softer	Makes picture clearer	Improves colour details
TINT	Adds greenish tint	Adds reddish tint	TINT is not available in PAL system
D S TONE	ON/OFF		Obtains natural skintones
STATUS	MILD/CUSTOM/STANDARD/BRIGHT		Toggle among the different modes to make the picture adjustments

## 6. System Settings

Press the MENU button to enter the SYSTEM menu. Press the UP/VGA button or DOWN/AV button to make the selection and press the LEFT or RIGHT button to make the adjustments.



Item	Explanation														
C.TEMP	NORMAL/WARM/COLD														
C.SYS.	COLOUR SYSTEM: AUTO/N443/N358/PAL														
PALETTE	Enter the submenus to adjust the settings of RED, GRN, BLUE, CYAN, N(MAGE), YELW. and Cmpl. If you want to reset the setting to the factory default, select RESET and then press the LEFT or RIGHT button.														
LANG.	ENGLISH/中文 ( CHINESE )														
N R	STANDARD/STRONG/OFF														
SCANMODE	100Hz/75Hz/P-75P/P-60P														
ROTATE	Due to the geomagnetic effect, the picture will slant horizontally. You can adjust it by this feature.														
VIEW SWI	ON/OFF (When ON is set, the option of VIEW TIM appears.)														
VIEW TIM	Enter the submenus to set VIEWTIME and the correct input channel.														
	<table border="1"> <thead> <tr> <th>Item</th> <th>Explanation</th> </tr> </thead> <tbody> <tr> <td>VIEW TIM</td> <td>You can set the time from 1 to 100 seconds. It will be the time span viewing each channel.</td> </tr> <tr> <td>AV1</td> <td>ON/OFF (Selecting ON means you can view this channel and vice versa. The followings are the same.)</td> </tr> <tr> <td>AV2</td> <td>ON/OFF</td> </tr> <tr> <td>S-VHS</td> <td>ON/OFF</td> </tr> <tr> <td>HDTV</td> <td>ON/OFF</td> </tr> <tr> <td>VGA</td> <td>ON/OFF</td> </tr> </tbody> </table>	Item	Explanation	VIEW TIM	You can set the time from 1 to 100 seconds. It will be the time span viewing each channel.	AV1	ON/OFF (Selecting ON means you can view this channel and vice versa. The followings are the same.)	AV2	ON/OFF	S-VHS	ON/OFF	HDTV	ON/OFF	VGA	ON/OFF
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HDTV	ON/OFF														
VGA	ON/OFF														
Note: During the viewing, press MENU button to stop. If you want to continue, enter the menu system again and set VIEW SWI to ON.															

## 7. Geometrical Adjustments in HDTV and VGA mode



1. Enter the main menu in HDTV or VGA mode.
2. Press the UP/VGA button or DOWN/AV button to select the GEOMETRY menu and press the RIGHT button to enter it.
3. Press the UP/VGA button or DOWN/AV button to make the selection and press the LEFT or RIGHT button to make the adjustments.
4. If you are not satisfied with your adjustments, press the DOWN/AV button to select GEO RESET. Press the RIGHT button to confirm, then the set values are back to "0" and the geometrical sizes are back to the factory default.

Note: Product is subject to change without prior notice.