

部件名称	有毒有害物质或元素					
	铅（Pb）	汞（Hg）	镉（Cd）	六价铬 Cr（VI）	多溴联苯（PBB）	多溴二苯醚（PBDE）
机芯	×	○	○	○	○	○
显象管	×	○	○	○	○	○
机壳	○	○	○	○	○	○
扬声器	○	○	○	○	○	○
遥控器	×	○	○	○	○	○
消磁线	○	○	○	○	○	○
螺钉	○	○	○	○	○	○
电源线及连接线	×	○	○	○	○	○
○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 规定的限值要求以下。 ×						
注 1：本产品应用环保设计理念，对有毒有害物质进行了有效控制。“×						
注 2：上述部件分类视具体产品有所不同，以实际产品为准。						

72-TM25H0-001

产品执行标准号:Q/WP1034-2005
产品标准备案号: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。

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
电话：4008-123456
传真：0752-2636307
邮编：516006
www.tcl.com

数码监视器
MONITOR

TM25H/TM29H

使用说明书

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，请您详细阅读本机使用说明书。

创意感动生活
The Creative Life



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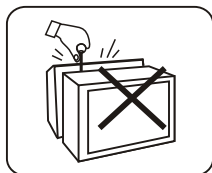
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装箱单

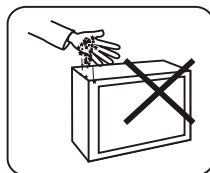
- 主机一台
- 遥控器一个，7号电池两节，有线遥控连接线一根
- 说明书一套(含保修单、合格证等)

警告注意

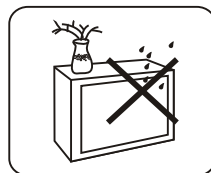
警告



机内有高压，非专业人员切勿打开后盖，以防触电。

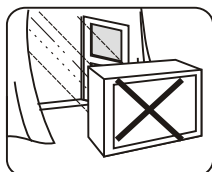


切勿将异物(如：铁屑、项链、硬币等)掉入机内，以防引起电路短路着火，损坏监视器。

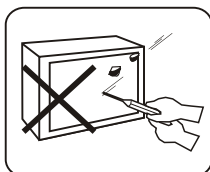


监视器不应遭受水滴或水溅。监视器上不应放置花瓶一类装满液体的物品。

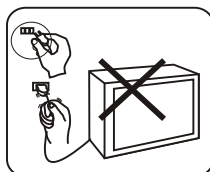
注意



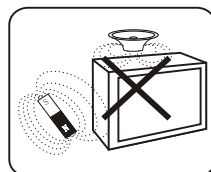
监视器严禁雨淋、受潮和严重的灰尘侵蚀，以防引起触电或电路短路着火。



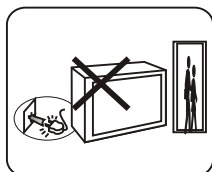
勿使监视器(尤其是荧光屏)受到硬质物撞击，搬运、装卸时应特别注意。



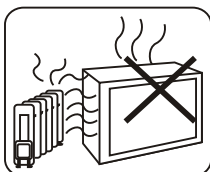
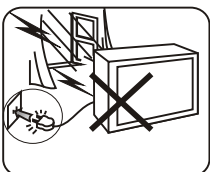
应注意保护好监视器的电源及插头，切勿因强拉重压使其损伤。



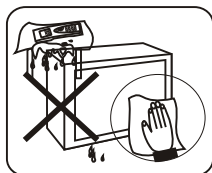
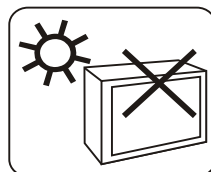
监视器应远离扬声器、电动机、变压器等磁性物品，以免引起彩色异常。



长期外出或雷电时请将电源插头拔掉。

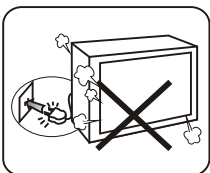


机内温度过高易引起监视器损坏，应保证监视器通风良好，切勿堵挡监视器散热孔。监视器应远离热源(如：暖气、火炉等处)，并避免阳光直射。

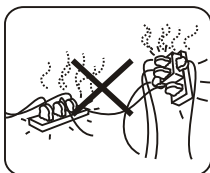


勿用酒精、氨水、稀释剂等清洗电视机表面，若确有需要，请用湿海绵或软布(可加少量中性洗涤剂)拧干后清洗，并切记在清洗前切断电源。

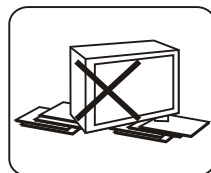
☀注：请勿用有机溶液擦拭显像管。可用清水轻轻擦拭。



监视器使用中发现异常(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。

☀注：当从低温状态转到室温(常温)状态时，为防止凝露，请不要打开包装，先搁置2-3小时后，再通电工作。

机型特点

- 双路视频（视频1,视频2）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
 - 探测机内温度，动态调整风扇转速
 - 感应环境光，调整图像亮度
 - 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逐点清晰 (3)100Hz数字倍频 (4) 85Hz数字逐行
- 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、NTSC358(NTSC3.58)、NTSC443(NTSC4.43)
视频1、视频2输入输出环通	视频1.0Vp-p
S视频输入	亮度信号1.0Vp-p；色度信号0.7Vp-p
分量信号Y，Pb/Cb，Pr/Cr 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，1280×720P/60Hz；支持DVD信号输入：720X576i/50Hz，720X480i/60Hz；支持DVD Y,Pb,Pr逐行分量输入：720X576P/50Hz，720X480P/60Hz.
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	95W（TM25H）；100W（TM29H）
可视图像对角线尺寸	59cm(TM25H)；68cm(TM29H)
外形尺寸(mm)	590x553x484(TM25H)；660x568x542(TM29H)
质量	约38kg(TM25H)；约48kg(TM29H)

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。

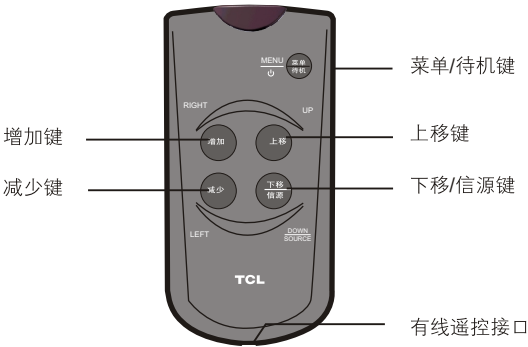
遥控器的使用

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。

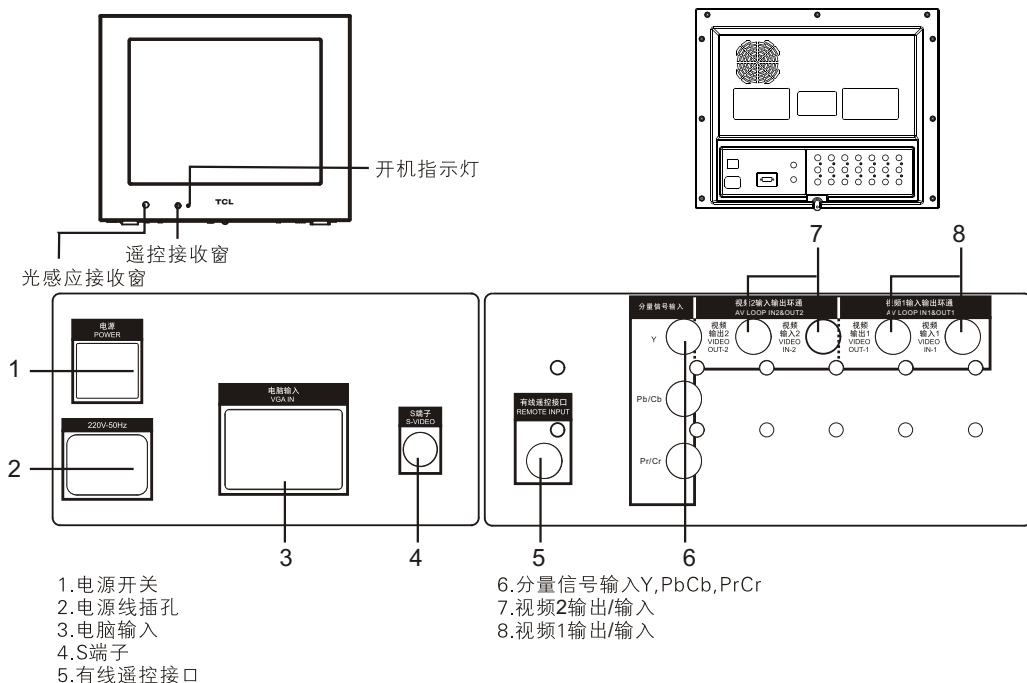
2、无线遥控：不需要连接遥控器“有线遥控接口”，只需要将遥控器对准主机前面的遥控接收窗进行操作。无线遥控方式对某台监视器进行遥控操作时，同时可能会影响到同房间的其他监视器的工作状态。



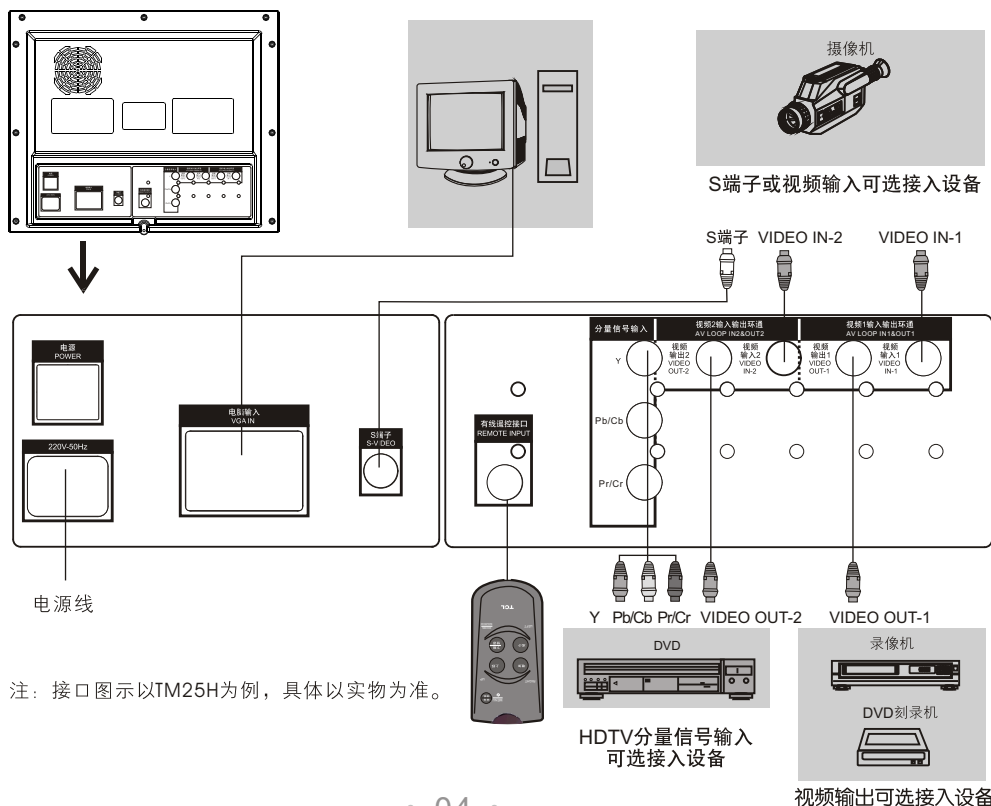
- 注意:
1. 为确保遥控器良好的操作性能，如发现操作不正常，请换电池再试。
 2. 不要将新、旧电池或不同型号的电池混合使用。
 3. 电池电力微弱时会发生泄漏电解液现象，这会损坏遥控器。一旦发现电力微弱，应尽快更换电池。
 4. 若长期不使用遥控器，请把电池取出，以免电池泄漏电解液。



外观图解



连接示意图



监视器操作

开/关监视器

开机：按主机后面电源开关的“**I**”，指示灯亮并闪烁数秒后熄灭，显示出图像。

关机：按主机后面电源开关的“**O**”，关闭电源。

待机：长按“菜单/待机”键，机器进入待机状态，待机状态下，按任意键开机。

信源通道选择

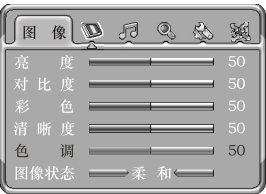
按遥控器上的“下移/信源”键，出现信源选择菜单。按遥控器上的“上移”或“下移/信源”键，可选择视频1、视频2、S视频、分量、电脑，选中后按“增加”或“减少”键即可切换到该信源通道。

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.先按“菜单”键，再按“增加”或“减少”键，选择“设置”菜单，再按“上移”或“下移/信源”键进入设置菜单，并选择扫描模式“**4: 3**”，按“增加”或“减少”键选择**16: 9**模式。

图像调整

先按“菜单”键，再按“增加”或“减少”键，进入“图像”菜单。按“上移”键或“下移/信源”键选择各项，再用“增加”或“减少”键对各项进行调节。



项目	调整效果		说明
	按减少键	按增加键	
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
彩色	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
图像状态	标准/柔和/明亮/自设		调整图像状态

设置菜单

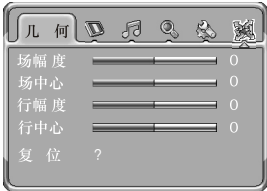
先按“菜单”键，再按“增加”或“减少”键，选择“设置”菜单。按“上移”键或“下移/信源”键选择各项，再用“增加”或“减少”键对各项进行调节。



注：“▼”此图标表示，按“下移/信源”键可继续选择未出现的项。

项目	调整说明
色温	标准/暖/冷
彩色制式	AUTO/PAL/NTSC358/NTSC443
扫描模式	60P/75I/100I/85P(在YPbPr模式下是4:3或16: 9)
消磁	开/关 消磁开关打开，对显像管进行消磁。
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“增加”或“减少”键出现复位OK，表示清除对 7 种单色的调整，回复到出厂设置的状态。
图像降噪	弱/中/强/关
地磁校正	根据位置和方向不同对图像进行倾斜校正（仅限TM29H机型）
肤色校正	开/关，调整肤色
语言	中文/ENGLISH

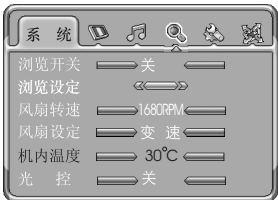
图像的几何大小调整



- 1.打开菜单。
- 2.按“增加”键或“减少”键选择“几何”菜单。
- 3.用“上移”键或“下移/信源”键和“增加”或“减少”键选择并调整各项。
- 4.如果调整不满意，可按“下移/信源”键选择“几何复位”项，按“增加”或“减少”键确认，则几何参数全部变0，几何尺寸恢复到出厂设置。

系统设置

先按“菜单”键，再按“增加”或“减少”键，选择“系统”菜单。按“上移”键或“下移/信源”键选择各项，再用“增加”或“减少”键对各项进行调节。



浏览开关	开/关（选择“开”时，“浏览设定”才能使用。）														
浏览设定	进入子菜单，可设定浏览时间和选择需要浏览的信号通道。<table><tr><th>选项</th><th>调整说明</th></tr><tr><td>浏览时间</td><td>可设定3－100秒内任意秒数，为每个信号通道的浏览停留时间。</td></tr><tr><td>视频 1</td><td>开/关（开为选择，关为不选择，以下均同。）</td></tr><tr><td>视频 2</td><td>开/关</td></tr><tr><td>S 视频</td><td>开/关</td></tr><tr><td>分量</td><td>开/关</td></tr><tr><td>电脑</td><td>开/关</td></tr></table> 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”。	选项	调整说明	浏览时间	可设定3－100秒内任意秒数，为每个信号通道的浏览停留时间。	视频 1	开/关（开为选择，关为不选择，以下均同。）	视频 2	开/关	S 视频	开/关	分量	开/关	电脑	开/关
选项	调整说明														
浏览时间	可设定3－100秒内任意秒数，为每个信号通道的浏览停留时间。														
视频 1	开/关（开为选择，关为不选择，以下均同。）														
视频 2	开/关														
S 视频	开/关														
分量	开/关														
电脑	开/关														
风扇转速	风扇转动的速度														
风扇设定	定速为固定的速度，默认为最高转速 变速将根据机内的温度调整风扇的转速														
机内温度	实时监控显示机内温度，当温度过高时，风扇转速会加快。														
光控	根据环境光的变化来动态调整画面的亮度														

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

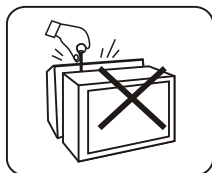
02	Warnings and Precautions
03	Features
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04	External Schematic
04	Connection Illustrations
05	Basic Operations
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05	Signal Source Selection
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05	Set Up Menu
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06	System Settings

Packing List

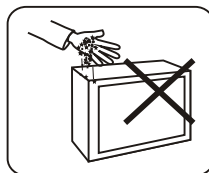
- Main Unit - one set
- Remote Control - one pc, including two AAA batteries and one remote control cable
- Operation Manual - one pc (including warranty card, quality certificate, etc.)

Warnings and Precautions

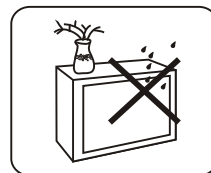
Warnings



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

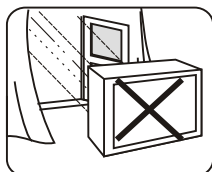


Do not push objects of any kind into the unit as this may cause fire or short circuit and damage the unit.

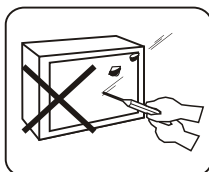


The unit shall not be exposed to dripping or splashing and no objects filled with liquids such as vases, shall be placed on the unit.

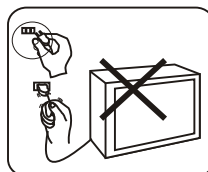
Precautions



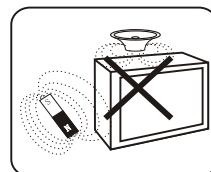
To prevent fire or shock hazard, do not expose the unit to rain, moisture or heavy dust areas.



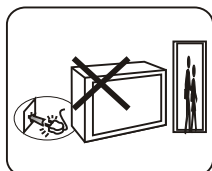
Protect the unit, especially the screen, from being attacked by hard objects. Please take care during transportation and loading/unloading.



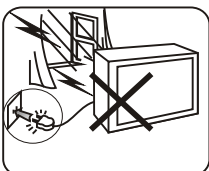
To protect the power cord, do not pull it or press it with excessive force.



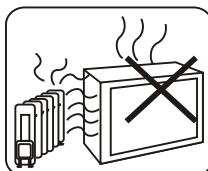
To avoid color abnormality, keep the unit away from the magnetic objects, such as the speaker, electromotor or transformer.



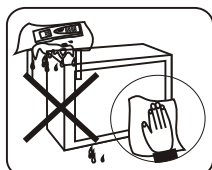
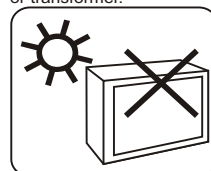
Remove the power plug when the unit will not be used for a long period of time, or when it is thunder or lightning.



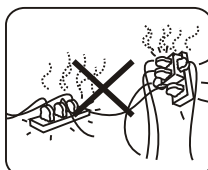
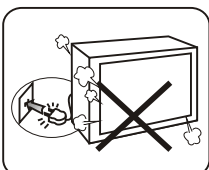
During your operation, if there is something abnormal found, such as strange smell, or if some objects fall into the unit, switch off and unplug the unit immediately and contact the service personnel as soon as possible.



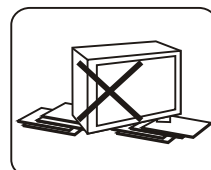
High temperature inside may cause the damage to the unit. Please keep it well ventilated and do not block the ventilation slots and openings. Keep away from heat sources such as stove and radiator and avoid direct sunshine.



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, wrung 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 causing the damage.

⚡ Notes: Use water instead of organic solutions to clean the CRT.

⚡ Notes: In case of becoming frozen, do not unpack the unit right after moving from a very cold place to a warmer place. It's recommended to wait for 2 to 3 hours before you turn it on.

Features

- ☐ 2 AV (AV-1, AV-2) LOOP IN/OUT, 1 S-VIDEO Input
- ☐ 1HDTV(YPbPr) Input, 1 VGA (RGB) Input
- ☐ Detecting Inner Temperature to Dynamically Adjust the Fan Speed
- ☐ Sensitive to Ambient Light to Adjust the Brightness
- ☐ Multi Imaging Modes
 - Imaging Modes of PAL Pictures:
 - (1)60Hz Digital Progressive Scanning (2)75Hz Interlaced Scanning
 - (3)100Hz Digital Double Frequency (4)85Hz Digital Progressive Scanning
 - Imaging Mode of NTSC Pictures:
 - (1)60Hz Progressive Scanning

Specifications

Receiving System	AV:PAL、 NTSC358(NTSC3.58)、 NTSC443(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, 1280×720P/60Hz; supporting DVD signals input: 720X576i/50Hz, 720X480i/60Hz; supporting DVD Y,Pb,Pr progressive component input: 720X576P/50Hz,720X480P/60Hz.
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	95W (TM25H) ; 100W (TM29H)
Visible Diagonal Size	59cm (TM25H) ; 68cm (TM29H)
Dimensions(mm)	590×553×484 (TM25H) ; 660X568X542 (TM29H)
Gross Weight	about 38kg (TM25H) ; about 48kg (TM29H)

Remote Control

Battery Installation

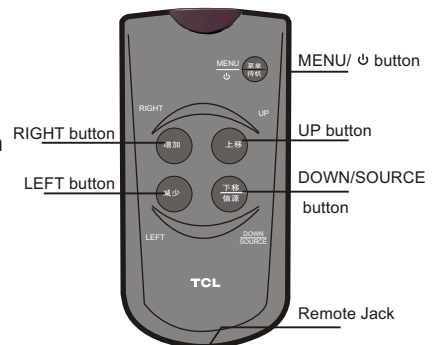
Remove the battery compartment lid from the back of the remote, insert the 2 x 1.5V AAA batteries, paying attention to the polarity, and then replace the cover.

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:

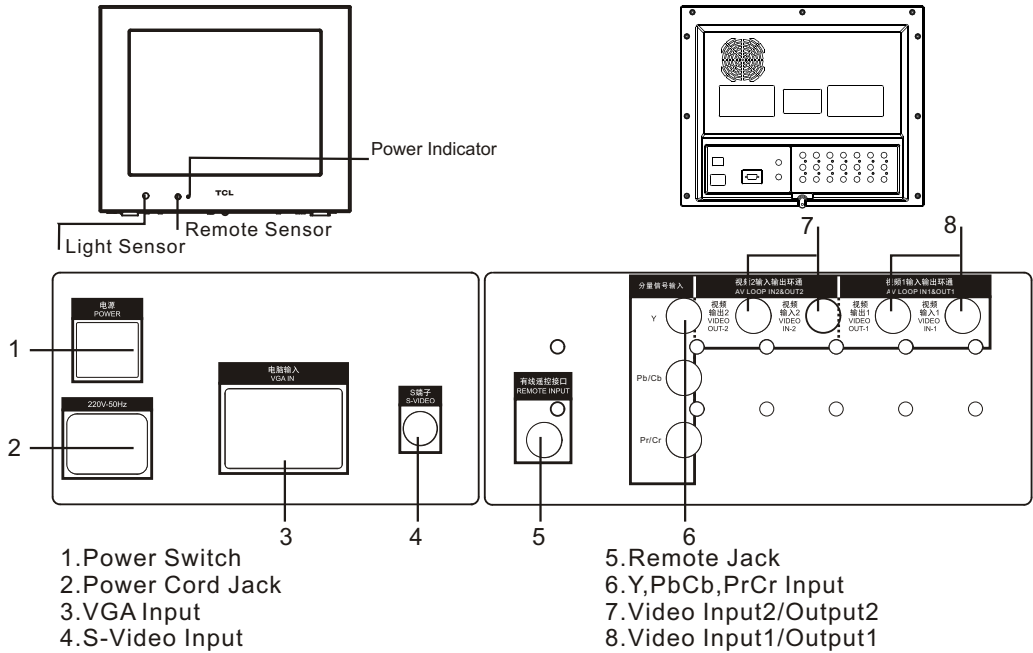
1. For better performance, once you find the operation is abnormal, please replace the batteries and have a try again.
2. Do not mix old and new batteries or different types.
3. When the batteries are to be exhausted, battery leakage may occur and cause the damage to



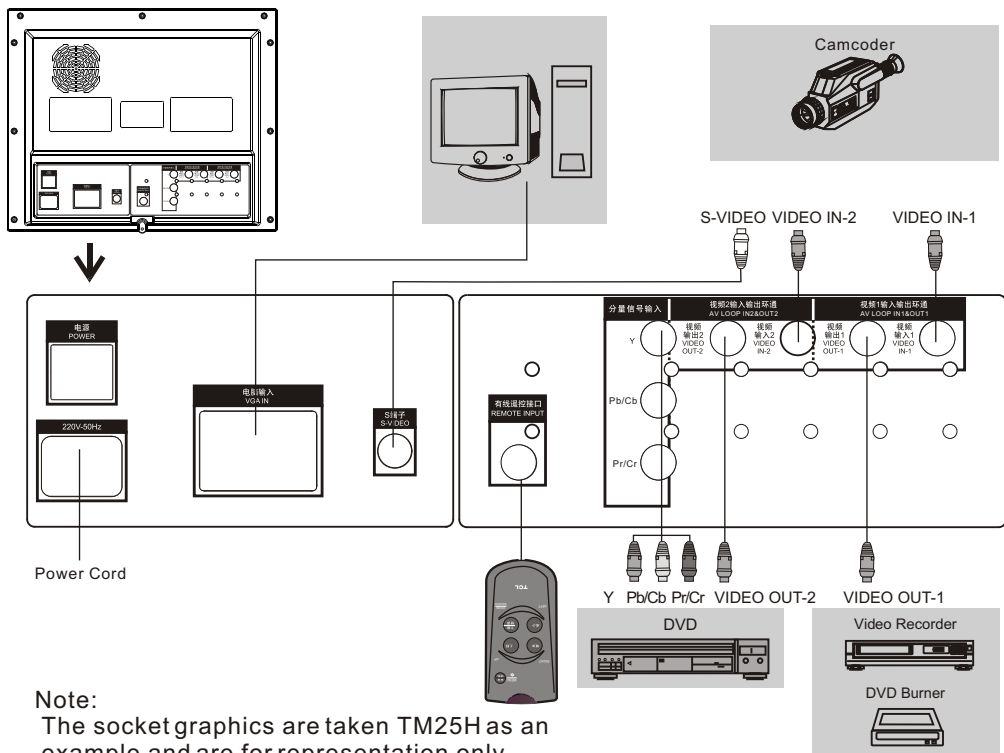
the remote. When the operation is not sensitive enough, the battery may be low, so please change batteries immediately.

- 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

Turning the Unit on/off

Turning on: Press the "I" on the POWER button of the rear panel to turn on the unit, then the indicator flashes lighting. 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.

Standby mode: press and hold the MENU/ button to put the unit into standby mode. Any press can restart the unit from standby mode.

Signal Source Selection

Press the DOWN/SOURCE button on the remote control to display the source selection menu.

Then press UP/DOWN to select AV-1, AV-2, S-VHS, YPBPR and VGA.

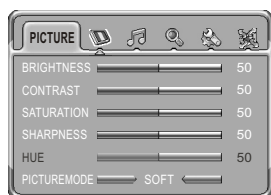
After selecting a certain source, press LEFT/RIGHT to enter.

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 to display the main menu then press LEFT/RIGHT to highlight the SET UP menu. And press UP or DOWN/SOURCE to select SCAN MODE "4:3". Use the LEFT/RIGHT button to select 16:9.

Picture Adjustments

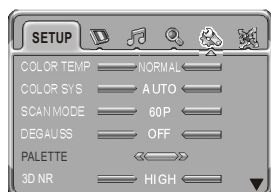
Press the MENU/ button to display the main menu then press LEFT/RIGHT to highlight the PICTURE menu. And press UP or DOWN/SOURCE to scroll through the features and use LEFT/RIGHT to adjust:



Features	Results		Remark
	Press LEFT	Press RIGHT	
BRIGHTNESS	To become darker	To become brighter	To adjust the brightness of the picture, in general, along with CONTRAST
CONTRAST	To become weaker	To become stronger	To adjust the difference between the black portions and white portions.
SATURATION	To become lighter	To become darker	To add or remove color
SHARPNESS	To become softer	To become clearer	To adjust sharpness in the picture.
HUE	To become greenish	To become purplish	Only available in NTSC mode
PICTUREMODE	STANDARD/SOFT/BRIGHT/PERSONAL		To select a picture mode

Set Up Menu

Press the MENU/ button to display the main menu then press LEFT/RIGHT to highlight the SETUP menu. And press UP or DOWN/SOURCE to scroll through the features and use LEFT/RIGHT to adjust:



This arrow symbol means there are more feature items if you press DOWN/SOURCE.

Features	Remark
COLOR TEMP	NORMAL/WARM/COOL
COLOR SYS	AUTO/PAL/NTSC358/NTSC443
SCAN MODE	60P/75I/100I/85P (4:3/16:9 in YPbPr mode)
DEGAUSS	ON/OFF (when ON, the CRT degausses itself automatically)
PALLET	In its submenu, you can adjust the RED, GREEN, BLUE, CYAN, MGENTA, YELLOW, FLESH separately. There is a RESET option with which you can make all adjustments back to the factory default by pressing LEFT/RIGHT.
3D NR	LOW/MID/HIGH/OFF
ROTATE	The picture might lean due to geomagnetism in different positions and directions. With this option, you can make the picture in place. This feature is only available on TM29H.
FELSHCOLOR	ON/OFF, to adjust the flesh
LANGUAGE	中文/ENGLISH

Picture's Geometry Size Adjustments



1. Press the MENU/ button to display the main menu
2. Press LEFT/RIGHT to highlight the GEOMETRY menu.
3. Use UP or DOWN/SOURCE to select a feature item then use LEFT/RIGHT to adjust.
4. If the result is not satisfactory, press UP or DOWN/SOURCE to select GEOM-RESET then use LEFT/RIGHT to confirm. This makes all features back to default 0.

System Settings

Press the MENU/ button to display the main menu then press LEFT/RIGHT to highlight the SYSTEM menu. And press UP or DOWN/SOURCE to scroll through the features and use LEFT/RIGHT to adjust:



SCAN	ON/OFF (when ON, SCAN SET can be highlighted.)														
SCAN SET	In its submenu, you can set the SCANTIME and turn every signal channel on or off for browsing. <table border="1"> <thead> <tr> <th>Features</th><th>Remark</th></tr> </thead> <tbody> <tr> <td>SCANTIME</td><td>Press LEFT/RIGHT to set any time between 3S and 100S. This is the time every signal channel stays while browsing.</td></tr> <tr> <td>AV-1</td><td>ON/OFF (when ON, AV-1 is available for browsing.)</td></tr> <tr> <td>AV-2</td><td>ON/OFF (when ON, AV-2 is available for browsing.)</td></tr> <tr> <td>S-VHS</td><td>ON/OFF (when ON, S-VHS is available for browsing.)</td></tr> <tr> <td>YPBPR</td><td>ON/OFF (when ON, YPBPR is available for browsing.)</td></tr> <tr> <td>VGA</td><td>ON/OFF (when ON, VGA is available for browsing.)</td></tr> </tbody> </table> Notes: while browsing, press the MENU/ button, and the process will stop. If you want to reactivate the browsing function, you have to enter the SYSTEM menu and set SCAN to ON.	Features	Remark	SCANTIME	Press LEFT/RIGHT to set any time between 3S and 100S. This is the time every signal channel stays while browsing.	AV-1	ON/OFF (when ON, AV-1 is available for browsing.)	AV-2	ON/OFF (when ON, AV-2 is available for browsing.)	S-VHS	ON/OFF (when ON, S-VHS is available for browsing.)	YPBPR	ON/OFF (when ON, YPBPR is available for browsing.)	VGA	ON/OFF (when ON, VGA is available for browsing.)
Features	Remark														
SCANTIME	Press LEFT/RIGHT to set any time between 3S and 100S. This is the time every signal channel stays while browsing.														
AV-1	ON/OFF (when ON, AV-1 is available for browsing.)														
AV-2	ON/OFF (when ON, AV-2 is available for browsing.)														
S-VHS	ON/OFF (when ON, S-VHS is available for browsing.)														
YPBPR	ON/OFF (when ON, YPBPR is available for browsing.)														
VGA	ON/OFF (when ON, VGA is available for browsing.)														
FAN SPEED	To tell the fan's speed.														
FAN SET	FIXED/SHIFT. When set to FIXED, the fan runs at the highest speed. When set to SHIFT, the fan runs with inside temperature. The higher temperature, the faster it runs. Contrarily, the lower temperature, the slower it runs.														
TEMPERATURE	To tell the real temperature inside the unit.														
RAY CONTROL	ON/OFF. When ON, it can dynamically adjust the brightness of the picture according to the ambient light.														

💡 Notes: Specifications are subject to change without notice.