



VTM-TLM19L, VTM-TLM21L, VTM-TLM24L

Transcendent 19.5" / 21.5" / 23.6" HDMI and VGA CCTV Monitor with Full HD Display (1080P)

VTM-TLM19L



VTM-TLM21L

VTM-TLM24L



FEATURES:

- 19.5" (VTM-TLM19L) 21.5" (VTM-TLM21L) / 23.6" Display (VTM-TLM24L)
- 16 : 9 Aspect Ratio
- Full 1080p High Definition Display (1920 x 1080) / 1600 x 900 (VTM-TLM19L)
- Contrast Ratio of 1000:1
- HDMI / VGA Input
- Audio In (2 x Speakers)
- 5ms Response Time
- 178° Horizontal and Vertical Viewing Angle (178° / 170° on VTM-TLM19L)
- LED Backlit
- 100mm VESA mount
- Professional grade display designed for 24/7 continuous use in security applications with 50,000 Hour Panel Life
- 3 Year Warranty








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Safety Symbols & Precautions

Safety Symbols

	WARNING Failure to abide by the information in a WARNING may result in serious injury and can be life threatening.
	CAUTION Failure to abide by the information in a CAUTION may result in moderate injury and/or property or product damage.
	Alert electrical hazard.
	Indicates a prohibited action.
	Indicates to ground for safety.



This manual uses below safety symbols. They denote critical information. Please read them carefully.

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The design of this apparatus is safe to patient. We will try the best to assure the newest information be shown in this manual, but the information in this document is subject to change without prior notice.

Precautions

To ensure personal safety and proper maintenance, please read this section and the caution statements on the unit.

WARNING

<p>If the unit begins to emit smoke, smells like something is burning, or makes strange noises, disconnect all power connections immediately and contact your dealer for advice.</p> <p>Attempting to use a malfunctioning unit may result in fire, electric shock, or equipment damage.</p>	
<p>Do not open the cabinet or modify the unit.</p> <p>Opening the cabinet or modifying the unit may result in fire, electric shock, or burn.</p>	
<p>Refer all servicing to qualified service personnel.</p> <p>Do not attempt to service this product yourself as opening or removing covers may result in fire, electric shock, or equipment damage.</p>	
<p>Keep small objects or liquids away from the unit.</p> <p>Small objects accidentally falling through the ventilation slots into the cabinet or spillage into the cabinet may result in fire, electric shock, or equipment damage. If an object or liquid falls/spills into the cabinet, unplug the unit immediately. Have the unit checked by a qualified service engineer before using it again.</p>	

Set up the unit in an appropriate location.

Not doing so may result in fire, electric shock, or equipment damage.

- Do not place the unit outdoors.
- Do not install the unit in transportation systems (ship, aircraft, trains, automobiles, etc.)
- Do not place the unit in a dusty or humid environment.
- Do not place the unit in a location where steam comes directly onto the screen.
- Do not place the unit near heat generating devices or a humidifier.
- Do not place the unit in an inflammable gas environment.



To avoid danger of suffocation, keep the plastic packing bags away from babies and children.



Use the enclosed power cord and connect to the standard power outlet of your country.

Be sure to remain within the rated voltage of the power cord. Not doing so may result in fire or electric shock.

To disconnect the power cord, grasp the plug firmly and pull.

Tugging on the cord may damage and result in fire or electric shock.



The equipment must be connected to a grounded main outlet.

Not doing so may result in fire or electric shock.



Use the correct voltage.

- The unit is designed for use with a specific voltage only. Connection to another voltage than specified in this User's Manual may cause fire, electric shock, or equipment damage.
- Do not overload your power circuit, as this may result in fire or electric shock.

Handle the power cord with care.

- Do not put the power cord under the unit or other heavy object.
- Do not pull up or twist the power cord.



If the power cord is broken, stop to using it immediately. Using broken power cord may result in fire or electric shock.

Never touch the plug and power cord during an electrical storm.

Touching them may result in electric shock.



Do not touch a damaged LCD panel directly with bare hands.

The liquid crystal that may leak from the panel is poisonous if it enters the eyes or mouth. If any part of the skin or body comes in direct contact with the panel, please wash thoroughly. If some physical symptoms result, please consult your doctor.



CAUTION

Handle with care when carrying the unit.

Disconnect the power cord and signal cables and remove the optional unit. Moving the unit with the cord or the option attached is dangerous. It may result in injury.

When handling the unit, grip the bottom of the unit firmly with both hands ensuring the panel faces outward before lifting.

Dropping the unit may result in injury or equipment damage.



Do not block the ventilation slots on the cabinet.

Do not place any objects on the ventilation slots.

Do not install the unit in a closed space.

Do not use the unit laid down or upside down.

Blocking the ventilation slots prevents proper airflow and may result in fire, electric shock, or equipment damage.



Do not touch the plug with wet hands.

Doing so may result in electric shock.



Periodically clean the area around the plug.

Dust, water, or oil on the plug may result in fire.

Unplug the unit before cleaning it.

Cleaning the unit while it is plugged into a power outlet may result in electric shock.

If you plan to leave the unit unused for an extended period, disconnect the power cord from the wall socket after turning off the power switch for the safety and the power conservation.

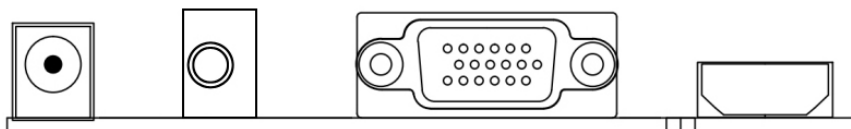
Accessories

Please check the following listed accessories before installation:

HDMI Cable	x 1	User Manual	x 1
Desktop Stand	x 1	12VDC Power Supply	x 1
Power Cable	x 1	LED Monitor	x 1

Installation

Rear Interface



DC

AUDIO

VGA

HDMI

Explanation of connectors

DC: power supply 12V / 2.5A

AUDIO: 3.5mm stereo jack connection for audio input when using VGA connector

VGA: 15 pin D-sub cable for standard VGA connection

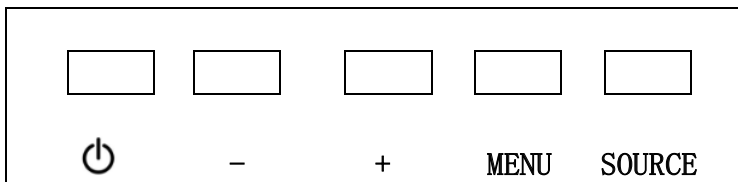
HDMI: Let you connect a device, such as a digital cable box, with an HDMI or a DVI output. HDMI (High Definition Multimedia Interface) Provides an uncompressed digital connection that carries both video and audio data by way of an integrated mini-plug cable. Since HDMI


technology is based on Digital Visual Interface (DVI), the jack on the back of your MONITOR is also compatible with DVI devices. HDMI Input lets you connect a device, such as a digital cable box, with an HDMI output.

Controls & Functions

Buttons on the lower-right part of the panel

You can use the side panel buttons in the lower right part of your monitor to operate many of the monitor's features.



1.  Turn on / off the monitor
2. **SOURCE:** Accesses the available video input signals (VGA & HDMI)
3. **MENU:** Bring up the MONITOR main menu.
4. **+**: Turn up the volume. In the MONITOR menu system, adjust menu controls.
5. **-** : Turn down the volume. In the MONITOR menu system, adjust menu controls.

HOW to use buttons

Use the buttons on the right side control panel to adjust the OSD

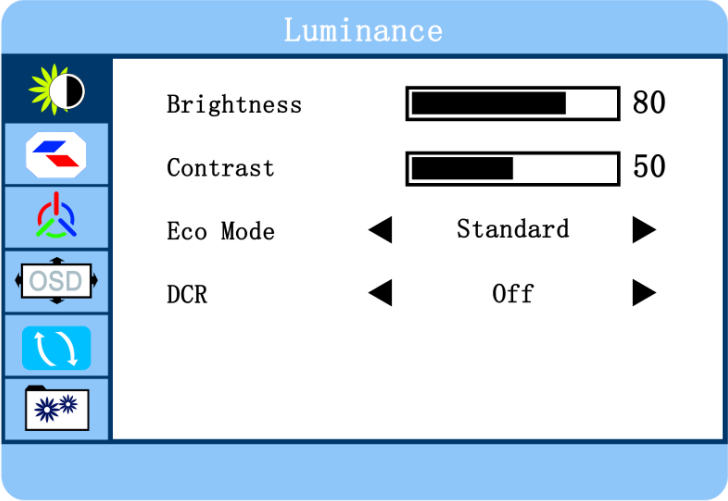
1. To access the OSD Menu press 'MENU'.
2. Use the 'MENU' buttons to select the required menu item, then press the '+' or '-' button to select the Sub menu.

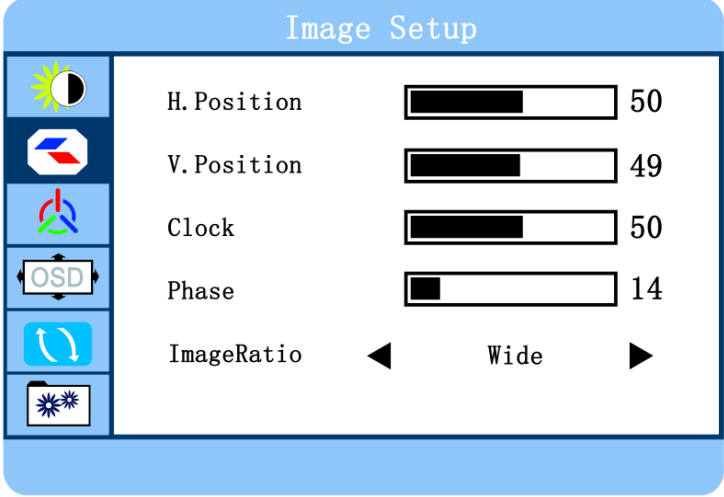
3. Continue to use the 'MENU' button to highlight the required field, then press '+' or '-' to adjust the Set.
4. Press the 'SOURCE' button to return to previous menu.
5. Press the 'SOURCE' button again to exit the OSD Menu completely.


OSD setup

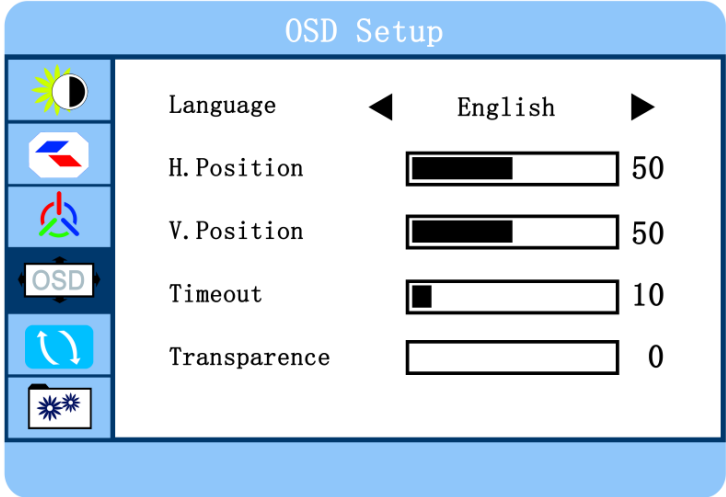
The layout of the OSD will change depending on the input that is selected.

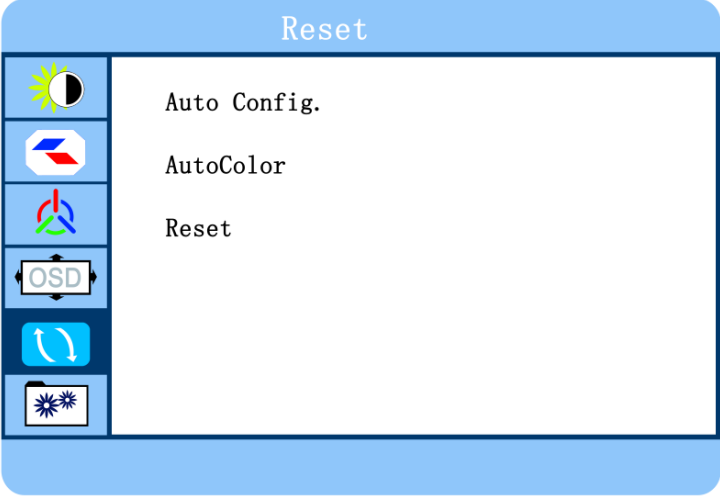
OSD setup under VGA & HDMI input mode

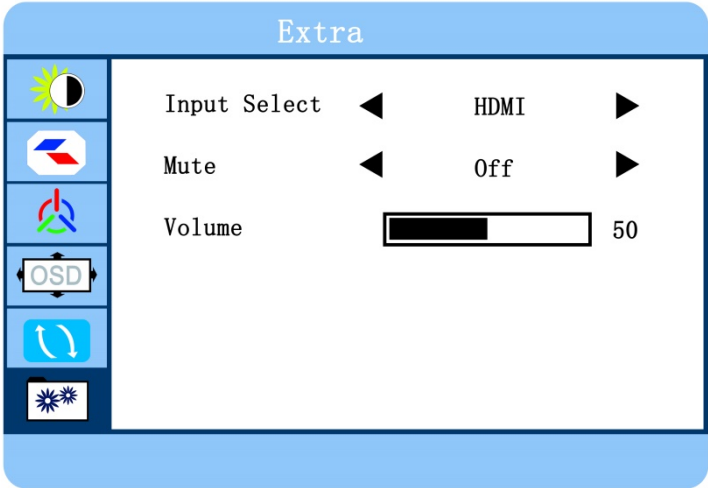
Menu	
Remark	<p>Luminance</p> <p>Brightness: Set the image brightness (0-100) Contrast: Set the image contrast (0-100) Eco Mode: Set Eco Mode (Standard/Internet/Game/Movie) DCR: Set the dynamic contrast ratio (On / Off)</p>

<p>Menu</p>	
<p>Remark</p>	<p>Image Setup</p> <p>H. Position: Change the image horizontal position adjustment (0-100) [VGA only]</p> <p>V. Position: Change the image vertical position adjustment (0-100) [VGA only]</p> <p>Clock: Fine-turning the image performance (0-100) [VGA only]</p> <p>Phase: Fine-turning the image performance (0-100) [VGA only]</p> <p>Image Ratio: The image ratio set (Wide / 4:3)</p>

<p>Menu</p>	
<p>Remark</p>	<p>Color Setup</p> <p>Color Temp.: Set the color temperature (Normal, warm, cool, user)</p> <p>When under normal/ warm/ cool mode, the color temp. value is fixed and cannot be changed.</p> <p>When under user mode, you can adjust the color temperature (red [0-100]/ green [0-100]/ blue [0-100])according to your preferences</p>

<p>Menu</p>	
<p>Remark</p>	<p>OSD Setup</p> <p>OSD Language: OSD language selection (English, French, Spanish, Portuguese, Italian, Dutch, Swedish, Vietnamese, Czech, Russia, Polish, Korean, Traditional Chinese, Simplified Chinese, Japanese)</p> <p>H. Position: Change OSD horizontal position adjustment (0-100)</p> <p>V. Position: Change OSD vertical position adjustment (0-100)</p> <p>Timeout: OSD display dwell time selection (0-120 seconds)</p> <p>Transparency: OSD transparency adjustment (0-100)</p>

<p>Menu</p>	
<p>Remark</p>	<p>Reset</p> <p>Auto Config.: Set the image configure automatically [VGA only]</p> <p>AutoColor: Set the image color automatically [VGA only]</p> <p>Reset: Reset the monitor to default factory setting.</p>

<p>Menu</p>	
<p>Remark</p>	<p>Extra</p> <p>Input Select: Set the input source (HDMI / VGA)</p> <p>Mute: Mute the audio output (On / Off)</p> <p>Volume: Adjust the volume stronger or weaker (0-100)</p>

Care and Cleaning

CAUTION: Turn off your MONITOR before cleaning.

You can clean the MONITOR as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The Monitor's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. While cleaning do not spray liquid directly on the screen or allow liquid to run down the screen and inside the Monitor. Also, never place drinks or vases with water on top of the monitor. This could increase the risk of fire or shock hazard or damage to the monitor.

Mounting Your MONITOR to a Wall or Pole

Caution: The wall or pole mount must bear a minimum of three times the monitor's net weight (consult specs on following page for weights) without causing damage. To mount your MONITOR to a wall or pole you need to purchase a VESA wall mount. See VITEK Models VT-LCD/WMT-R (wall) or VT-LCD/PMT (Pole) sold separately.

1. You need to remove the base first before attaching the wall mount.
 - A. Place the MONITOR face down on a surface that is soft, yet strong enough to hold the MONITOR.
 - B. Use a screwdriver to remove the screws from the four holes on each side of the bottom of the Monitor's base (only use with base)
2. Make sure all cables are already connected to the MONITOR.
3. Follow the directions included with the wall mount to mount the monitor to the wall.

VTM-TLM19L / VTM-TLM21L / VTM-TLM24L Specifications

Panel Type	19.5" / 21.5" / 23.6" LED Backlit Monitor
Resolution	1920 x 1080 / 1600 x 900 (VTM-TLM19L)
Aspect Ratio	16:9
Contrast Ratio	1000:1
Brightness	250 cd/m ²
Response Time	5ms
Colors	16.7M
Viewing Angle (H/V)	178° / 178° (VTM-TLM21L, VTM-TLM24L) 178° / 170° (VTM-TLM19L)
Inputs	1 x HDMI, 1 x VGA
Audio	1 x Audio (2 Speakers)
Power consumption	<18W (VTM-TLM19L), <21W (VTM-TLM21L), <25W (VTM-TLM24L)
VESA Mounting	100 x 100mm
Other Features	Auto Adjustment, OSD Control
Working Temp	32~104°F (0~40°C)
OSD Language	English, Spanish, French, German, Italian, Dutch, Russian, Chinese
Accessories	Power Cord, Adapter, Stand, User Guide, HDMI Cable
Certificates	FCC-DOC, CE, ROHS
VTM-TLM19L Dimensions	With Stand: 18.18 x 13.76 x 7.87" (461.7 x 349.4 x 200mm); w/out: 18.18 x 10.85 x 1.71" (461.7 x 274.7 x 43.5mm)
VTM-TLM21L Dimensions	With Stand: 19.70 x 15.12 x 7.87" (500 x 384 x 200mm); w/out: 19.70 x 11.69 x 1.21" (500 x 297 x 31mm)
VTM-TLM24L Dimensions	With Stand: 21.88 x 16.05 x 8.66" (556 x 408 x 220mm); w/out: 21.88 x 13.17 x 1.82" (556 x 334 x 46mm)
Net Weight: 19L 21L 24L	5.62lb 5.85lb 7.94lb

LIMITED PRODUCT WARRANTY

VITEK products carry a three (3) year limited warranty. VITEK warrants to the purchaser that products manufactured by VITEK are free of any rightful claim of infringement or the like, and when used in the manner intended, will be free of defects in materials and workmanship for a period of three (3) years, or as otherwise stated above, from the date of purchase by the end user. This warranty is nontransferable and extends only to the original buyer or end user customer of a VITEK Authorized Reseller.

The product must have been used only for its intended purpose, and not been subjected to damage by misuse, willful or accidental damage, caused by excessive voltage or lightning.

The product must not have been tampered with in any way or the guarantee will be considered null and void.

This guarantee does not affect your statutory rights.

Contact your local VITEK Reseller should servicing become necessary.

VITEK makes no warranty or guarantee whatsoever with respect to products sold or purchased through unauthorized sales channels. Warranty support is available only if product is purchased through a VITEK Authorized Reseller.



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