



ThinkVision

ThinkVision S25e-30

User Guide

Machine Type : 63E0-KAT4-WW



Product No.

H22245FS0

63E0-KAT4-WW

Version 1 (August 2022)

© All rights reserved Lenovo 2022

LENOVO products, data, computer software, and services are developed on earmarked funds and are sold to government agencies as commodities as defined in 48 C.F.R. 2.101, with limited restricted rights of use, duplication, and disclosure granted to the government agencies.

Restricted limited rights statement: If products, data, computer software, or services are delivered under a General Services Manager "GSA" contract, their use, duplication, or disclosure is subject to the restrictions outlined in Contract No. GS-35F-05925.

Contents

Safety Matters.....	iv
General Safety Principles.....	iv
TCO Certified.....	v
Chapter 1. New Member Guide.....	1-1
Items List.....	1-1
Precautions For Use.....	1-2
Product Overview.....	1-2
Set Up the Display.....	1-4
Chapter 2. Adjusting and Using the Display.....	2-1
Comfort and Assistance Functions.....	2-1
Arrange Your Working Area.....	2-1
Placing and Viewing the Display.....	2-1
Tips on Healthy Work Habits.....	2-2
Auxiliary function Information.....	2-2
Adjusting the Display Image.....	2-3
Select Supported Display Modes.....	2-7
Understanding Power Management.....	2-8
Maintaining the Display.....	2-9
Remove the Display Base and Support Arm.....	2-9
Wall-mounted (optional).....	2-9
Chapter 3. Reference Information.....	3-1
Display Specifications.....	3-1
Troubleshooting.....	3-3
Manual image setting.....	3-4
Manually Install the Driver for the Display.....	3-5
Appendix A. Services and Support.....	A-1
Telephone Technical Support.....	A-1
Appendix B. Declaration.....	B-1
Trademark.....	B-2
Power Cord.....	B-2

Safety Matters

General Safety Principles

For tips on safe computer use, please go to:
<http://www.lenovo.com/safety>

Before installing this product, please read the safety matters.

Avant d'installer ce produit, lisez les consignes de sécurité.

Vor der Installation dieses Produkts die Sicherheitshinweise lesen.

Πριν εγκαταστήσετε το προϊόν αυτό, διαβάστε τις πληροφορίες ασφάλειας (safety information).

לפני שהתקינו מוצר זה, קראו את הוראות הבטיחות.

A termék telepítés előtt olvassa el a Biztonsági Tudnivalókat!

Prima di installare questo prodotto, leggere le Informazioni sulla Sicurezza.

Antes de instalar este produto, leia as Informações de Segurança.

Läs säkerhetsinformationen innan du installerar den här produkten.

Prije instaliranja ovog produkta obavezno pročitajte Sigurnosna Upute.

Les sikkerhetsinformasjonen (Safety Information) før du installerer dette produktet.

Przed zainstalowaniem tego produktu, należy zapoznać się z książką "Informacje dotyczące bezpieczeństwa" (Safety Information).

Пред да се инсталира овој продукт, прочитајте информацијата за безбедност

Pred inštaláciou tohto zariadenia si prečítajte Bezpečnostné predpisy.

Pred namestitvijo tega proizvoda preberite Varnostne informacije.

Ennen kuin asennat tämän tuotteen, lue turvaohjeet.

Před instalací tohoto produktu si přečtěte příslušné bezpečnostní instrukci.

在安裝本產品之前，請仔細閱讀 Safety Information (安全信息)。

安裝本產品之前，請先閱讀「安全信息」。

ایجب قراءة إرشادات السلامة قبل تشغيل هذا المنتج.

Læse sikkerhedsforskrifterne, før du installerer dette produkt.

製品の設置の前に、安全情報をお読みください。

본 제품을 설치하기 전에 안전 정보를 읽으십시오。

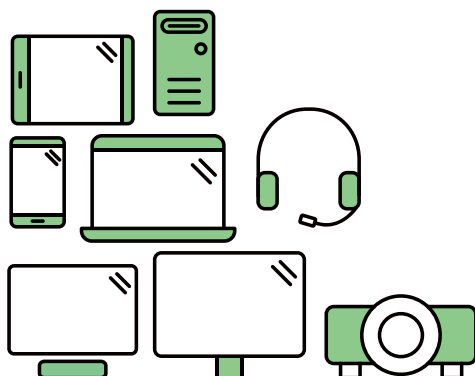
Antes de instalar este producto lea la Información de seguridad.

Antes de instalar este produto, leia as Informações de Segurança.

Перед установкой продукта прочтите инструкции по безопасности.

Lees voordat u dit product installeert eerst de veiligheidsvoorschriften.

Note: This equipment is not suitable for use in locations where children are likely to be present.



Say hello to a more sustainable product

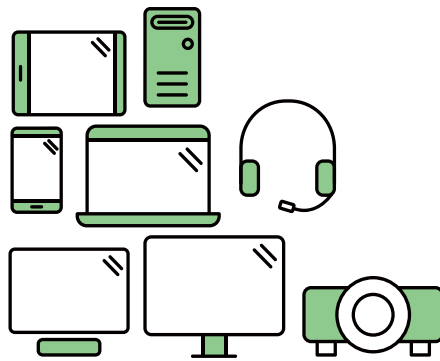
IT products are associated with a wide range of sustainability risks throughout their life cycle. Human rights violations are common in the factories. Harmful substances are used both in products and their manufacture. Products can often have a short lifespan because of poor ergonomics, low quality and when they are not able to be repaired or upgraded.

This product is a better choice. It meets all the criteria in TCO Certified, the world's most comprehensive sustainability certification for IT products. Thank you for making a responsible product choice, that help drive progress towards a more sustainable future!

Criteria in TCO Certified have a life-cycle perspective and balance environmental and social responsibility. Conformity is verified by independent and approved verifiers that specialize in IT products, social responsibility or other sustainability issues. Verification is done both before and after the certificate is issued, covering the entire validity period. The process also includes ensuring that corrective actions are implemented in all cases of factory non-conformities. And last but not least, to make sure that the certification and independent verification is accurate, both TCO Certified and the verifiers are reviewed regularly.

Want to know more?

Read information about TCO Certified, full criteria documents, news and updates at tcocertified.com. On the website you'll also find our Product Finder, which presents a complete, searchable listing of certified products.



Say hello to a more sustainable product

IT products are associated with a wide range of sustainability risks throughout their life cycle. Human rights violations occur in the supply chain. Harmful substances are used both in products and their manufacture. Products can often have a short lifespan because of poor ergonomics, low quality and when they are not able to be repaired or upgraded.

This product is a better choice. It meets all the criteria in TCO Certified, the world's most comprehensive sustainability certification for IT products. Additionally, it fulfills the requirements of TCO Certified Edge, the supplemental certification that recognizes leading-edge products that exceed typical performance in a particular sustainability attribute. At our Product Finder (tcocertified.com/product-finder) you can find out which TCO Certified Edge criterion or criteria this product meets.

Criteria in TCO Certified have a life-cycle perspective and balance environmental and social responsibility. Compliance is verified by independent verification organizations that specialize in IT products, social responsibility or other sustainability issues. Verification is done both before and after the certificate is issued, covering the entire validity period. The process also includes ensuring that corrective actions are implemented in all cases of factory non-conformities.

Thank you for making a responsible product choice, that help drive progress towards a more sustainable future!

Want to know more?

Read information about TCO Certified, full criteria documents, news and updates at tcocertified.com. On the website you'll also find our Product Finder, which presents a complete, searchable listing of certified products.

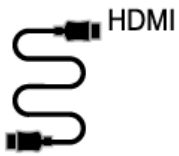
Chapter 1. New Member Guide

This user guide provides users with detailed operating instructions. For a quick overview of the instructions, please refer to the Setup coloring page for brief information.

Items List

The following items should be included in the package of this product:

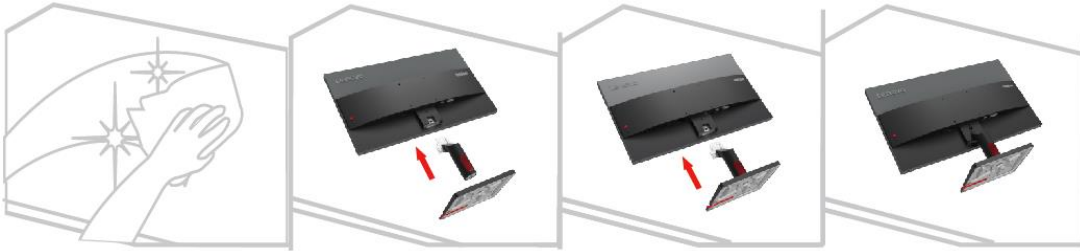
- Quick Start Guide
- Display
- Stand (Screw*1PCS)
- Base
- Power Cord
- Signal Line (Subject to the practice)



Precautions For Use

To set up your display, please refer to the following illustration.

Note: Do not touch the screen area of the display. The screen area is a glass product and can be easily damaged by friction or pressure.



1. Place the display screen down on a soft flat surface.
2. Align the stand with the base, and then tighten the screws clockwise.
3. Insert the installed stand base into the corresponding position on the back of the monitor, and then tighten the screws clockwise.

Note: To install the VESA mount, see "Wall-mounted (optional)" on pages 2-9.

Product Overview

This section describes how to adjust the display position, set the user controls, and use the cable lock slot.

Adjustment Types

Tilt

See the figure below for an example of the tilt range.



Display Control

Different functions can be used through the key controls on the panel frame.



For information on how to use these key controls, see "Adjusting the Display Image" on pages 2-3.

Kensington anti-theft lock hole

Your display is equipped with a Kensington anti-theft lock hole, which is located on the back of the display.



Set Up the Display

This section describes how to set up the display.

Connecting and Powering on the Display

Note: Before performing this procedure, be sure to read the "Safety Matters" on page iv.

1. Turn off the power to the computer and all connected devices, and then unplug the computer's power cord.



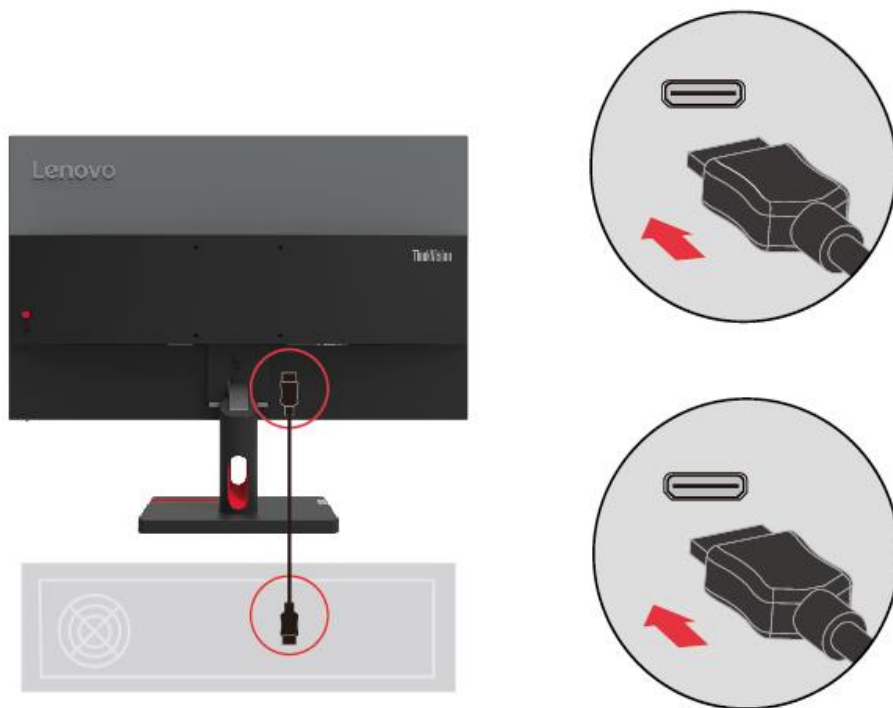
2. Connect the cables as shown in the figure below.



3. For computers with VGA connections.

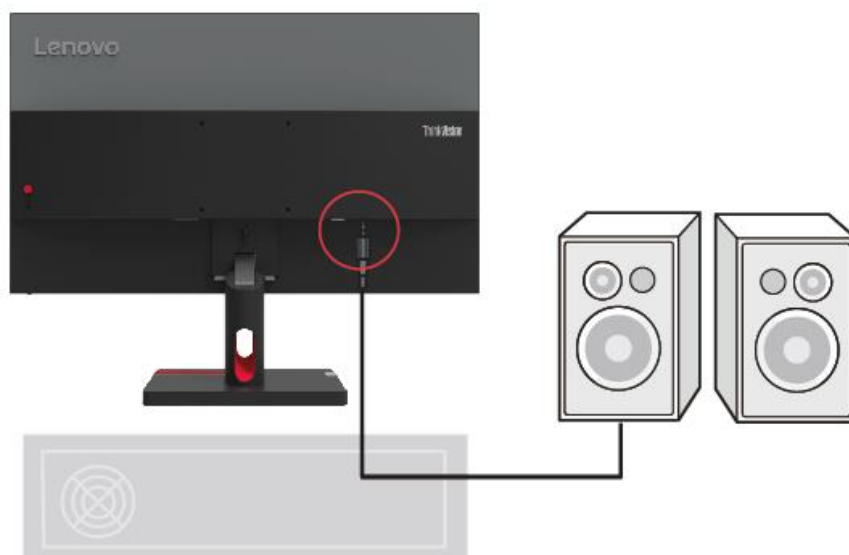


4. For computers with HDMI connections.



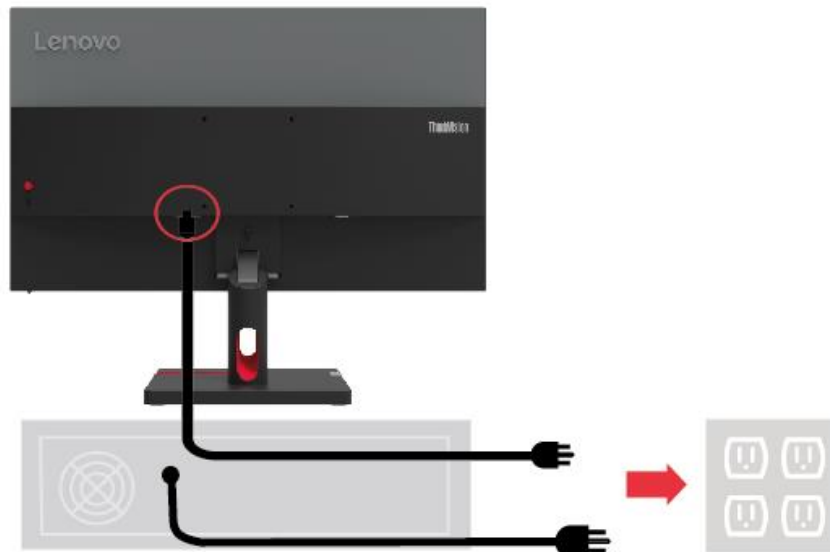
5. Connect the audio cable of the speaker and the audio jack of the monitor to transmit the audio source from HDMI.

Note: HDMI mode audio output.



6. Plug the power cord into the display, and then plug the display power cord and computer cord into a grounded power outlet.

Note: A certified power cord must be used for this equipment. The installation and/or equipment regulations of the country concerned should be taken into account. The certified power cable used should not be lighter than the normal PVC cable (marked H05VV-F 3G 0.75mm² or H05VVH2-F2 3G 0.75mm²) as specified in IEC 60227. In addition, synthetic rubber cords as specified in IEC 60245 (marked H05RR-F 3G 0.75mm²) should be used.



7. Cables can be connected through holes in the support.



8. Turn on the power to the display and computer.



9. When you install the display driver, download the driver that corresponds to your display model from the Lenovo website at http://support.lenovo.com/docs/S25e_30/. To install the driver, see the "Manually Install the Driver for the Display" section on pages 3-5.



Chapter 2. Adjusting and Using the Display

This section describes how to adjust and use this display.

Comfort and Assistance Functions

Good ergonomic designs are important for the comfortable use of your personal computer. Your workplace and the equipment you use should be arranged appropriately for your personal needs and the type of work you do. In addition, healthy work habits can help you achieve optimal efficiency and comfort when using a computer.

Arrange Your Working Area

Use a work surface of the right height and enough work area so that you can work comfortably. Arrange your work area according to the way you use materials and equipment. Keep frequently used materials neatly organized in your work area, and place frequently used items (such as a computer mouse or telephone) in an easily accessible location. The placement and setup of equipment are very important to your work posture. The following topics describe how to optimize equipment settings to achieve and maintain a good working posture.

Placing and Viewing the Display

For comfortable viewing of the display, the following factors should be considered when placing and adjusting computer displays:

- **Viewing Distance:** The recommended viewing distance between your eyes and the display screen is 1.5X the screen diagonal. Solutions to meet this required distance in a small office include: keeping the desk a certain distance from the wall or partition to allow space for the display, using a flat panel or smaller display and keeping the display in the corner of the desk, or placing the keyboard in an adjustable drawer board to create a deeper work surface.
- **Display Height:** If your display is not height-adjustable, place your head and neck in a natural, comfortable (vertical or upright) position. If your display is not height-adjustable, you can place a book or other sturdy object under the base of the display to achieve the desired height. The general rule is to sit comfortably with the top of the display screen at eye level or slightly lower. However, it is important to optimize the height of the display so that the relative position between the eyes and the center of the display provides the right visual distance and a comfortable viewing experience when the eye muscles are relaxed.
- **Tilt:** Adjusting the tilt of your display optimizes the appearance of your screen content and keeps your head and neck in the best possible position.
- **Regular Location:** Place the display in such a way that overhead lighting or nearby windows do not cause glare or reflection on the screen.

Here are some additional tips for comfortable viewing of your display:

- Use adequate lighting for the type of work you do.
- Use display brightness, contrast, and image controls (if available) to optimize the image on the screen for your visual needs.
- Keep the display screen clean so that you can see the content clearly.

Long periods of focused visual activity tend to strain the eyes. Be sure to periodically move away from the display screen and gaze at a distant object to relax your eye muscles. If you have any questions about eye strain or visual discomfort, consult vision care professional for advice.

Tips on Healthy Work Habits

The following is a summary of some important factors that are useful to keep you comfortable and productive while using your computer.

- **Good posture comes from equipment placement:** The layout of your work area and the placement of your computer equipment can have a significant impact on your posture while using the computer. Be sure to follow the tips listed in " Arrange Your Working Area" on pages 2-1 to optimize the placement and orientation of your equipment so you can maintain comfortable posture and efficiency. In addition, be sure to use the adjustment features of your computer components and office furniture to meet your needs, and adjust them over time as your needs change.
- **Slight changes in posture help keep you comfortable:** the longer you sit in front of a computer, the more important it becomes to pay attention to your work posture. Avoid maintaining one posture for long periods. Regular slight changes in posture can help prevent possible discomfort. Use the adjustment function provided by office furniture or equipment to adapt to changes in posture.
- **Regular short breaks help ensure healthy computing:** Because computing is primarily a static activity, it is especially important to take short breaks during the workday. Take regular breaks to stand in front of your work area, stretch your limbs, walk around or have a drink, or otherwise take a short break from using the computer. Taking short breaks during work allows for changes in body posture that can help you stay comfortable and productive while working.

Accessibility Information

Lenovo is committed to providing greater access to information and technology for people with disabilities. With assistive technologies, users with disabilities can access information most appropriate for their specific situation. Some of these technologies are already available in the operating system; others can be purchased through resellers or by visiting the following website:








<https://lenovo.ssbartgroup.com>

Adjusting the Display Image

This section describes the functions of the user controls used to adjust the display image.

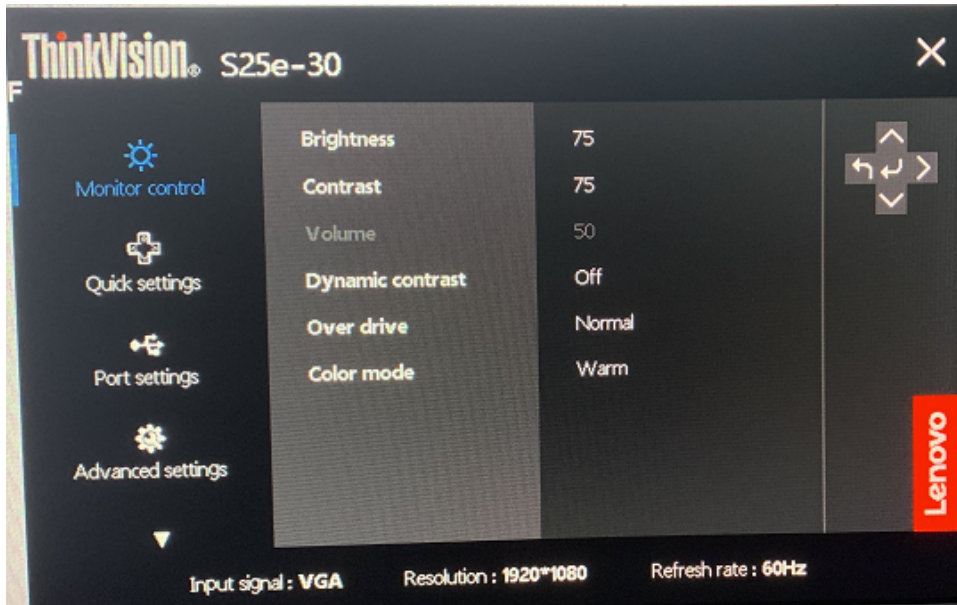
Using Direct Access Controls

When On Screen Display (OSD) is not displayed, you can use direct access controls.


Icon	Control	Description
	On-off key	Power on / off
	Menu/Confirm	Open the OSD Menu. Enter the next level menu. Press and hold for 10s to lock or unlock the menu.
	Right	Perform the corresponding shortcut function set in the OSD menu Quick Settings. In the OSD menu, enter the next level menu.
	Left	When OSD menu is opened, it serves as a return/exit
	Up	Perform the corresponding shortcut functions set in the OSD menu Quick Settings. When OSD menu is opened, it serves to move the cursor upwards. In the adjustment bar, it acts as a value increase
	Down	Perform the corresponding shortcut functions set in the OSD menu Quick Settings. When OSD menu is opened, it serves to move the cursor downwards. In the adjustment bar, it acts as a value reduction
	Signal source selection	Signal Source Selection Shortcut Keys Press and hold for 10 seconds to enable or disable the DDC-CI function

Use the On-Screen Display (OSD) Control

When adjusting the settings, you can view the user controls through the OSD.



Use controls:




1. Press  to open the OSD Main Menu.
2. Use \wedge or \vee to move between icons. Select an icon and press \leftarrow to access the feature. If there is a submenu, use \wedge or \vee to move between options, and then press \leftarrow to select the feature. Use \wedge or \vee to make adjustments, and then press \leftarrow to save.
3. Press \leftarrow to exit the submenu in sequence, and then exit the OSD.
4. When OSD is not displayed, press \leftarrow and hold for 10 seconds to lock the OSD. In this way, you can prevent accidental adjustment of the OSD. Press \leftarrow and hold for 10 seconds to unlock the OSD for OSD adjustment.
5. DDC/CI is enabled by default. Press \leftarrow and hold for 10 seconds to disable/enable the DDC/CI function. The message "DDC/CI disable (DDC/CI enable)" is displayed on the screen.




ENERGY STAR is a consumer electronics energy efficiency program led by the U.S. government. It was launched at the Department of Energy to reduce energy consumption and greenhouse gas emissions. The ENERGY STAR logo is a symbol of energy efficiency and environmental protection. It has improved the concept of energy efficiency among consumers and manufacturers, and effectively guided the market. The "ENERGY STAR Regulations" improve energy efficiency and reduce air pollution through the use of more energy-efficient equipment in homes, offices, and factories. One way to achieve this goal is to use management to reduce energy consumption when products are not in use. The default settings of the monitor are ENERGY STAR qualified. Any changes made by the user to more features and functions can increase power consumption, which would exceed the limits of the ENERGY STAR standard. If the user changes options related to energy efficiency while in use, such as brightness, color mode, etc., selecting Reset Factory All or selecting the ENERGY STAR option will restore energy consumption to ENERGY STAR-compliant energy efficiency.

For more information, see (www.energystar.gov/products). All ENERGY STAR products will be posted online and directly accessible to governments, public agencies, and consumers.

Table 2-1. OSD Functions

Main Menu	Sub-Menu	Instruction	Controls and Adjustment	
 Display Control	Brightness Adjustment	Adjust the overall brightness of the screen		
	Contrast Adjustment	Adjusts the degree of difference between bright and dark areas		
	Volume	Volume adjustment		
	Dynamic Contrast	On		Electricity consumption Changing this setting will increase power consumption Change/Cancel
		Off		
	Dynamic Response	Off		
		Normal		
		Extremely		
	Color Mode	sRGB		
		Standard Color Temperature		
Warm Color Temperature				
Cool Color Temperature				
User				
 Quick Setup	Right Key	Brightness Adjustment		
		Contrast Adjustment		
		Color Mode		
		Auto Settings		
		Language		
	Up Key	Brightness Adjustment		
		Contrast Adjustment		
		Color Mode		
		Auto Settings		
		Language		
	Down Key	Brightness Adjustment		
		Contrast Adjustment		
Color Mode				
Auto Settings				
Language				
 Port Settings	Input Signal	Automatic		
		VGA	Signal source switch	
		HDMI		
	Video range	Auto		
Full range 0-255			HDMI signal	
Limited range 16-235				
 Advanced Settings	Image Position Adjustment	Horizontal position		
		Vertical position	VGA signal	
	Image Settings	Automatic setting		
		Manual setting		
	Button Repetition Rate	Default value		
		Slow		
		Off		
	Aspect Ratio	Full Screen		Non-16:9 signal adjustable
		Original Aspect Ratio		
LED Indicator	On			
	Off			

	Power Button Lock	On	When ON is turned ON, a prompt is displayed : Are you sure to lock the power button ? Determine whether to lock the power button Yes/No ; After you select Yes, the power button will be locked ; To unlock the OSD node, select Off to disable the lock.
		Off	
 Menu Settings	Information	Product Name S25e-30 Refresh rate 60Hz Firmware LEN1.0 Serial No.	
	Language	English	
		Français	
		Italiano	
		Simplified Chinese	
		Español	
		Japanese	
		Deutsch	
		Русский	
	Українська		
OSD display time setting	5-60		
OSD position	(0-100,0-100)		
Transparency	0-100		
Restore factory settings	Factory Setup	Restore factory settings except for language	
	No		

Select Supported Display Modes

The display mode used by the display is controlled by the computer. Therefore, you should refer to the computer's documentation for detailed information on how to change the display mode.

When the display mode is changed, the image size, position, and shape may change. This is normal and the image can be readjusted using the automatic image settings and image controls.

Unlike CRT displays, which require high refresh rates to minimize flicker, LCD or flat panel technology is inherently flicker-free.

Note: If the system has previously been used in conjunction with a CRT display and is currently configured for a display mode outside the range of that display, you may need to temporarily reconnect the CRT display until the system has been reconfigured; it is best to set it to 1920x1080 (60Hz), the normal display mode.

The display modes shown below are factory optimized.

Table 2-2. Display modes set by the manufacturer

Timing sequence	Refresh rate	Signal Channel
640×480	60Hz	VGA/HDMI
640×480	72Hz	
640×480	75Hz	
720×400	70Hz	
800×600	56Hz	
800×600	60Hz	
800×600	72Hz	
800×600	75Hz	
832×624	75Hz	
1024×768	60Hz	
1024×768	70Hz	
1024×768	75Hz	
1152×864	75Hz	
1280×1024	60Hz	
1280×1024	70Hz	
1280×1024	75Hz	
1440×900	60Hz	
1600×900	60Hz	
1680×1050	60Hz	
1920×1080	60Hz	
1366×768	60Hz	HDMI
1600×900	75Hz	
1920×1080	75Hz	

Understanding Power Management

The power management function is activated when the computer detects that the mouse or keyboard has not been used for a user-defined time interval. There are several states as described in the table below.

For best performance, it is best to turn off the display at the end of the day, or when it is not in use for a longer period during the day.

Table 2-3. Power Indicators

Status	Power indicator	Screen	Recovery Operation
On	White	Normal	
Standby/Hang up	Amber	Blank	Press any key or move the mouse. The response time may be slightly delayed. Note: When there is no image output to the display, it will also enter standby mode.
Off	Off	Blank	Press the power button to power on. There may be a slight delay before the image is redisplayed.

Power Management Mode

VESA Mode	Horizontal Synchronization	Vertical Synchronization	Video	Power indicator	Power consumption
Normal Operation	Active	Active	Events	White	24.0W (Max)* 17.5 W (typical)
Active-Off Mode	Inactive	Inactive	Close	Amber	Less than 0.5W
Off	-	-	-	Off	Less than 0.3W

ENERGY STAR	Power consumption
$P_{\text{开}}$	14.3W
E_{TEC}	45.0kWh

* Maximum power consumption for maximum brightness.

This document is for reference only and reflects laboratory performance. Your product performance will vary depending on the software, components, and peripherals you order, and it should not be your responsibility to update this information. Accordingly, customers should not rely on this information to make decisions regarding electronic fault tolerance or similar items. We make no express or implied warranties as to accuracy or completeness.

Maintaining the Display

Always turn off the power to the display before performing any maintenance work on the display.

Do not:

- Let water or liquids spill onto the display.
- Use solvents or abrasive substances.
- Use flammable cleaning materials to clean the display or any other electronic device.
- Touch the screen area of the display with sharp or abrasive objects. Such contact may cause permanent damage to the screen.
- Use any cleaner that contains an anti-static solution or similar additive. Otherwise, the coating of the screen area may be damaged.

Be sure to:

- Wipe the case and screen gently with a soft cloth lightly dampened in water.
 - Use a damp cloth and a little flexible cleaner to remove fingerprints and grease.
-

Remove the Display Base and Support Arm

Step 1: Place the display on a flat surface.

Step 2: Remove the base and support arm from the display.



Wall-mounted (optional)

Refer to the instructions attached with the base assembly. To convert the LCD from a desktop to a wall mount, perform the following steps :

Step 1: Make sure the power button is off and unplug the power cord.

Step 2: Place the LCD face down on a towel or blanket.



Step 3: Remove the base and stand from the display, see "Removing the Display Base and Support Arm" on pages 2-9.



Step 4: Install the assembly bracket for the VESA compatible wall mount. (100mm x 100mm distance), VESA assembly screws M4 x 10 mm.



Step 5: Mount the LCD to the wall following the instructions for the wall mount. Only the lightest weight/weight-bearing wall mount from the UL list should be used: 8kg

Note: When using the flexible arm, the display should not be tilted downward by more than 5 degrees.

Chapter 3. Reference Information

This section provides display specifications, instructions for manual installation of the display driver, and troubleshooting information.

Display Specifications

Table 3-1. Display Specifications - Model H22245FS0

Size	Thickness	183mm (7.2 in.)
	Height	441.8mm (17.4 in.)
	Width	557.2mm (21.9 in.)
Support Arm	Tilt	Range: -5°~22°
VESA mount	Support	100mm x 100mm (3.94 in. x 3.94 in.)
Image	Viewable image size	622.3mm (24.50 in.)
	Maximum height	302.6mm (11.91 in.)
	Maximum width	543.7mm (21.40 in.)
	Pixel pitch	0.2832(H) x 0.2802(V) mm
Power input	Supply voltage Max. power supply current	100-240V AC 0.8A
Power Consumption Note: The power consumption value is the power consumption of both the display and the power supply.	Normal operation	<24.0 W (max) <17.5 W (standard)
	Standby/Hang Up	<0.5 W
	Off Note: No USB/camera/external speakers	<0.3 W
Video input (analog)	Interface	VGA
	Input Signal	Analog direct drive, 75 Ohm 0.7V
	Horizontal Addressing Capability	1920 pixels (max)
	Vertical Addressing Capability	1080 pixels (max)
	Clock frequency	170 MHz (max)
HDMI	Interface	HDMI
	Input Signals	VESA TMDS (Panel Link™)/HDMI
	Horizontal Addressing Capability	1920 pixels (max)
	Vertical Addressing Capability	1080 pixels (max)
	Clock frequency	180 MHz (max)
Communication	VESA DDC/CI	

Supported display modes	Horizontal frequency	30 kHz - 85 kHz
	Vertical frequency	50 Hz - 75 Hz
	Self-resolution	1920 x 1080 @ 60 Hz
Temperature	At working time	0° to 40°C (32°F to 104°F)
	During storage	-20° to 60°C (-4°F to 140°F)
	During transport	-20° to 60°C (-4°F to 140°F)
Humidity	At working time	10% to 80% (non-condensing)
	During storage	5% to 95% (non-condensing)
	During transport	5% to 95% (non-condensing)

Troubleshooting

If you encounter problems setting up or using your display, you may be able to solve the problem. Before contacting your dealer or Lenovo, please try the following suggested actions depending on the problem you are experiencing.

Table 3-2. Troubleshooting


Problem	Possible Causes	Recommended Operations	Refer to
"Out of Range" is displayed on the screen and the power indicator flashes white.	This display does not support the display mode set by the system	<ul style="list-style-type: none"> •If you are replacing an old display, reconnect it and adjust the display mode to the range supported by the new display. •If you are using a Windows system, restart the system in safe mode and select a supported display mode for your computer. •If these options do not work, please contact Customer Support. 	"Select Support Display Mode" on pages 2-7
Poor image quality	The video signal cable is not well connected to the display or the system.	Make sure the signal cable is securely plugged into the system and display.	"Connecting and Powering on the Display" on pages 1-4
	The color setting may be incorrect.	Select another color setting in the OSD menu.	"Adjusting the Display Image" on pages 2-3
	The automatic image setting function is not performed.	Perform automatic image setup.	"Adjusting the Display Image" on pages 2-3
The power indicator does not light up and no images are displayed.	<ul style="list-style-type: none"> •The display's power switch is not turned on. •The power cord is loose or not connected. •The outlet has no electricity. 	<ul style="list-style-type: none"> •Make sure the power cord is well connected. •Make sure the outlet has power. •Power on the display. •Change the power cord. •Change the power outlet. 	"Connecting and Powering on the Display" on pages 1-4
The screen is blank and the power indicator shows amber.	The display is in standby/hang-up mode	<ul style="list-style-type: none"> •Press any key on the keyboard or move the mouse to resume operation. •Check the power options settings on the computer. 	"Understanding Power Management" on pages 2-8
The power indicator shows amber and no images are displayed	Video signal cable is loose or disconnected from the system or display.	Make sure the video cable is well connected to the system.	"Connecting and Powering on the Display" on pages 1-4
	The display brightness and contrast are at their lowest settings.	Adjust the Brightness and Contrast settings in the OSD menu.	"Adjusting the Display Image" on pages 2-3
One or more pixels change color	This is an inherent characteristic of LCD technology and is not an LCD defect.	If more than five pixels are missing, please contact Support Center	"Appendix A. Service and Support" on pages A-1

Problem	Possible Causes	Recommended Operations	Refer to
<ul style="list-style-type: none"> •Blurred lines or images in text •Horizontal or vertical lines are present in the image. 	<ul style="list-style-type: none"> •Image settings are not optimized •The system's display property settings are not optimized. 	Adjust the system's resolution setting to the resolution of this display: 1920x1080 @60 Hz.	"Adjusting the Display Image" on pages 2-3
		Perform the automatic image setting. If the automatic image setting does not work, perform the manual image setting.	"Select Support Display Mode" on pages 2-7
		When using its resolution, adjusting the Dots Per Inch (DPI, dots per inch) setting on the system can further improve it.	See the Advanced section of System Display Properties.

Manual Image Settings

If the automatic picture setting does not provide a picture you are satisfied with, you can perform a manual picture setting. (VGA [Analog] only)

Note: Turn on the power to the display and wait for about 15 minutes to allow the display to warm up.

1. Press  to open the OSD menu.
2. Use \wedge or \vee to select "Advanced Settings", and press \leftarrow .
3. Use \wedge or \vee to select "Set the image", and press \leftarrow to access, Then press "Auto Settings" and then press \leftarrow access.
4. Use \leftarrow to select Clock or Phase, and then use \leftarrow or \rightarrow to adjust the value.
 - Clock: (pixel frequency) adjusts the number of pixels that can be scanned in one horizontal scan. If the frequency is incorrect, vertical bars may appear on the screen and the picture width may be incorrect.
 - Phase: adjusts the phase of the pixel clock signal. When the phase is not adjusted correctly, horizontal disturbances may appear in the bright picture.
5. When the image no longer looks distorted, press Enter to save the Clock and Phase adjustments.
6. Press \leftarrow to exit the OSD menu.

Manually Install the Driver for the Display

Here are the steps to manually install the display driver in Microsoft Windows 10 and Microsoft Windows 11.

Installing the display driver in Windows 10

To use the Microsoft Windows 10 Plug and Play feature, do the following steps :

1. Turn off the power to the computer and all connected devices.
2. Make sure the display is properly connected.
3. Power on the display, and then power on the system unit. Let the computer start the Windows 7 operating system.
4. Find the corresponding display driver from the Lenovo website <http://support.lenovo.com.cn/> and download it to the PC to which the display is connected (e.g. desktop).
5. Open the Display Properties window as follows: Click the Start, Control Panel, Hardware, and Sound icons, and then click the Display icon.
6. Click the Change the display settings tab.
7. Click the Advanced Settings icon.
8. Click the Display tab.
9. Click the Properties button.
10. Click the Driver tab.
11. Click Update Driver, and then click "Browse the computer to find the driver program".
12. Select "Pick from the list of device driver programs on the computer".
13. Click the Hard Disk button. Click the Browse button to browse and open the following path: X:\Monitor Drivers\Windows 7
(where X means "the folder where the downloaded driver is located" (e.g. desktop)).
14. Select the " lenS25e-30.inf " file and click the Open button. Click the OK button.
15. In the new window, select LEN S25e-30, and then click Next.
16. When the installation is complete, delete all downloaded files and close all windows.
17. Reboot the system. The system will automatically select the maximum refresh rate and the corresponding color matching profile.

Installing the display driver in Windows 11

To use the Microsoft Windows 11 Plug and Play feature, do the following steps:

1. Turn off the power to the computer and all connected devices.
2. Make sure the display is properly connected.
3. Power on the display, and then power on the system unit. Let the computer start the Windows 10 operating system.
4. Find the corresponding display driver from the Lenovo website <http://support.lenovo.com.cn/> and download it to the PC to which the display is connected (e.g. desktop).
5. Open the Display Properties window as follows: Click the Start, Control Panel, Hardware, and Sound icons, and then click the Display icon.
6. Click the Change the display settings tab.
7. Click the Advanced Settings icon.
8. Click the Display tab.
9. Click the Properties button.
10. Click the Driver tab.
11. Click Update Driver, and then click "Browse the computer to find the driver program".
12. Select "Pick from the list of device driver programs on the computer".
13. Click the Hard Disk button. Click the Browse button to browse and open the following path: X:\Monitor Drivers\Windows 10 (where X means "the folder where the downloaded driver is located" (e.g. desktop)).
14. Select the "lenS25e-30.inf" file and click the Open button. Click the OK button.
15. In the new window, select LEN S25e-30, and then click Next.
16. When the installation is complete, delete all downloaded files and close all windows.
17. Reboot the system. The system will automatically select the maximum refresh rate and the corresponding color matching profile.

Note: Unlike CRTs, LCD displays do not improve display quality by increasing the refresh rate. Lenovo recommends using a 1920x 1080 @ 60Hz refresh rate.

Get further help

If you are still unable to resolve the issue, please contact Lenovo Support. For more information on contacting the Support Center, see "Appendix A. Service and Support" on page A-1.

Appendix A. Services and Support

Telephone Technical Support

Country or Region	Telephone Number
Argentina	0800-666-0011 (Spanish, English)
Australia	1-800-041-267 (English)
Austria	0810-100-65 (For local rate) (German)
Belgium	Warranty service and support: 02-339-36-11 (Dutch, French)
Bolivia	0800-10-0189 (Spanish)
Brazil	Calls made from within the Sao Paulo region: 11-3889-8986 Calls made from outside the Sao Paulo region: 0800-701-4815 (Portuguese)
Brunei Darussalam	Dial 800-1111 (English)
Canada	1-800-565-3344 (English, French)
Chile	800-361-213 (Spanish)
China	400-990-8888
China (Hong Kong S.A.R.)	(852) 3516-8977 (Cantonese, English, Mandarin)
China (Macau S.A.R.)	0800-807 / (852) 3071-3559 (Cantonese, English, Mandarin)
Colombia	1-800-912-3021 (Spanish)
Costa Rica	0-800-011-1029 (Spanish)
Croatia	385-1-3033-120 (Croatian)
Cyprus	800-92537 (Greek)
Czech Republic	800-353-637 (Czech)
Denmark	Warranty service and support: 7010-5150 (Danish)
Dominican Republic	1-866-434-2080 (Spanish)
Ecuador	1-800-426911-OPCION 4 (Spanish)
Egypt	Primary: 0800-0000-850 Secondary: 0800-0000-744 (Arabic, English)
El Salvador	800-6264 (Spanish)
Estonia	372-66-0-800 (Estonian, Russian, English)
Finland	Warranty service and support: +358-800-1-4260 (Finnish)
France	Warranty service and support: 0810-631-213 (hardware) (French)
Germany	Warranty service and support: 0800-500-4618 (toll-free) (German)
Greece	Lenovo Business Partner (Greek)
Guatemala	Dial 999-9190, wait for operator, and request to reach 877-404-9661 (Spanish)

Country or Region	Telephone Number
Honduras	Dial 800-0123 (Spanish)
Hungary	+36-13-825-716 (English, Hungarian)
India	Primary: 1800-419-4666 (Tata) Secondary: 1800-3000-8465 (Reliance) Email: commercialts@lenovo.com (English and Hindi)
Indonesia	1-803-442-425 62 213-002-1090 (Standard Charges Apply) (English, Bahasa Indonesia)
Ireland	Warranty service and support: 01-881-1444 (English)
Israel	Givat Shmuel Service Center: +972-3-531-3900 (Hebrew, English)
Italy	Warranty service and support: +39-800-820094 (Italian)
Japan	0120-000-817 (Japanese, English)
Kazakhstan	77-273-231-427 (Standard Charges Apply) (Russian, English)
Korea	080-513-0880 (Collect call) 02-3483-2829 (Toll Call) (Korean)
Latvia	371-6707-360 (Latvian, Russian, English)
Lithuania	370 5278 6602 (Italian, Russian, English)
Luxembourg	ThinkServer and ThinkStation: 352-360-385-343 ThinkCentre and ThinkPad: 352-360-385-222 (French)
Malaysia	1-800-88-0013 03-7724-8023 (Standard Charges Apply) (English)
Malta	356-21-445-566 (English, Italian, Maltese Arabic)
Mexico	001-866-434-2080 (Spanish)
Netherlands	020-513-3939 (Dutch)
New Zealand	0508-770-506 (English)
Nicaragua	001-800-220-2282 (Spanish)
Norway	8152-1550 (Norwegian)
Panama	Lenovo Customer Support Center: 001-866-434 (toll-free) (Spanish)

Country or Region	Telephone Number
Peru	0-800-50-866 OPCION 2 (Spanish)
Philippines	1-800-8908-6454 (GLOBE subscribers) 1-800-1441-0719 (PLDT subscribers) (Tagalog, English)
Poland	Laptops and tablets branded with logo Think: 48-22-273-9777 ThinkStation and ThinkServer: 48-22-878-6999 (Polish, English)
Portugal	808-225-115 (Standard Charges Apply) (Portuguese)
Romania	4-021-224-4015 (Romanian)
Russia	+7-499-705-6204 +7-495-240-8558 (Standard Charges Apply) (Russian)
Singapore	1-800-415-5529 6818-5315 (Standard Charges Apply) (English, Mandarin, Bahasa Malaysia)
Slovakia	ThinkStation and ThinkServer: 421-2-4954-5555
Slovenia	386-1-2005-60 (Slovenian)
Spain	34-917-147-833 (Spanish)
Sri Lanka	9477-7357-123 (Sumathi Information systems) (English)
Sweden	Warranty service and support: 077-117-1040 (Swedish)
Switzerland	Warranty service and support: 0800-55-54-54 (German, French, Italian)
Taiwan	0800-000-702 (Mandarin)
Thailand	001-800-4415-734 (+662) 787-3067 (Standard Charges Apply) (Thai, English)
Turkey	444-04-26 (Turkish)
United Kingdom	Standard warranty support: 03705-500-900 (local rate) Standard warranty support: 08705-500-900 (English)
United States	1-800-426-7378 (English)
Uruguay	000-411-005-6649 (Spanish)
Venezuela	0-800-100-2011 (Spanish)
Vietnam	120-11072 (Toll Free) 84-8-4458-1042 (Standard Charges Apply) (Vietnamese, English)

Appendix B. Declaration

Lenovo may not offer the products, services, or features discussed in this document in all countries (regions). For information about products and services that may be available in your region, please consult your local Lenovo representative. Any reference to Lenovo products, programs, or services does not express or imply that only Lenovo's products, programs, or services may be used. Any product, program, or service with equivalent functionality may be used as long as it does not infringe any of Lenovo's intellectual property rights. However, it is the responsibility of the user to evaluate and verify the operation of any other product, program, or service.

Lenovo may own or be applying for patents on the items mentioned in this document. The distribution of this document does not give you a license to use these patents. You may make inquiries in writing by sending a license to the following address:

Lenovo (United States), Inc.

1009 Think Place - Building One

Morrisville, NC 27560

U.S.A

Attention: Lenovo Director of Licensing

Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including, but not limited to, any implied warranties of non-infringement, merchantability, or fitness for a particular purpose.

Some jurisdictions do not allow the exclusion of express or implied warranties in certain transactions, so this disclaimer may not apply to you.

The information in this publication may contain technical inaccuracies or typographical errors. The information in this manual is subject to periodic change; such changes will be included in subsequent editions of this publication. Lenovo may make improvements and/or changes to the products and/or procedures described in this publication at any time without notice.

The products described in this document are not suitable for use in applications such as porting or other life support. In these applications, personal injury or even death may result if they do not work properly. The information contained in this document does not affect or change Lenovo product specifications or warranties. No information in this document is intended as an express or implied license or disclaimer of Lenovo or third-party intellectual property rights. All information in this document has been obtained in a specific environment and is provided as an explanatory note only. Results obtained in other operating environments may differ.

Lenovo may use or publish any information you provide in any manner it deems appropriate that does not infringe your rights.

Any references to non-Lenovo websites in this publication are for convenience purposes only and do not in any way constitute an endorsement of those websites. The information on these sites is not part of this Lenovo product literature and the use of these sites is at your own risk.

The performance data provided herein was obtained in a controlled environment. Therefore, results obtained in other operating environments may vary significantly. Some measurements may have been obtained on development-level systems and therefore cannot be guaranteed to be identical on conventional systems. In addition, some measurements may have been obtained by inferential evaluation. Actual results may vary. Users of this document should verify the appropriate data for their particular environment.

Trademark

The following terms are trademarks of Lenovo in the United States and/or other countries (regions):

Lenovo

Lenovo Logo

ThinkCentre

ThinkPad

Think Vision

Microsoft, Windows, and Windows NT are trademarks of Microsoft Group, Inc.

Other company, product, or service names may be trademarks or service marks of other owners.

Power Cord

Only the power cord provided by the product manufacturer should be used. Do not use AC power cords from other devices.