SAMSUNG
ELECTRONICS

Manual Regulatory Reader

SAMSUNG POCKET IMAGER

SP-P300ME

COMPACT PROJECTOR BY LED TECHNOLOGY

POCKET IMAGER

| Power Related | Installation Related | Cleaning and Use Related |

Power Related

✖ To avoid injuries or damage to property, please read the following precautions carefully and use the product accordingly.

⚠ **Warning**   Failure to follow the instructions marked with this symbol may cause personal injury or even fatality.

⚠ **Notice**   Failure to follow the instructions marked with this symbol, may cause personal injury or damage to the product or property.

⚠ **Warning**

Be sure to plug the plug in tightly as failing to do so may cause fire.

- When the connection is incomplete, it may cause fire.

Do not use loose power outlets or damaged power cables.

- There is a danger of electric shock or fire.

Under no circumstances touch the power plug with wet hands.

- There is a danger of electric shock.

Do not plug multiple appliances into a single wall outlet.

- There is a danger of fire.

Do not place heavy objects on the power cord. Avoid bending, pulling or twisting the power cord.

- There is a danger of electric shock or fire.

Before moving the product, make sure that the power is off and remove the power cord from the wall outlet. In addition, make sure that all connection cables are disconnected from other devices before moving it.

- Moving the product without disconnecting the power cord may damage the power cord and may cause fire or electric shock.

⚠ Notice

Always unplug the unit by holding the power plug and not the power cable.

- There is a danger of fire.

Unplug the power plug before cleaning the product.

- There is a danger of electric shock or fire.

Do not let water or any liquid come into contact with the adapter.

- This may cause fire or electric shock.
- Avoid using the product near liquids or outdoors (i.e. rain, snow).
- Ensure that the adapter is not exposed to wetness when cleaning the floor with water.

Do not plug in two power adapters next to each other.

- There is a danger of fire.

Keep the adapter away from heaters.

- There is a danger of fire.

Strip the adapter of the plastic packaging before use.

- There is a danger of fire.

Keep the adapter in a well-ventilated location.

| Power Related | Installation Related | Cleaning and Use Related |

🗋 Installation Related

⚠ Warning

Do not place candles, mosquito sticks, cigarettes, etc. over the product.

- There is a danger of fire.

When installing the product in a cabinet or on a shelf, do not let the front part of the product project out of the cabinet or shelf.

- A falling product may damage the product or cause injury.

Keep the power cord away from heaters.

- The coating of the power cord may melt and cause electric shock or fire.

Do not install the product in locations exposed to oil, smoke, moisture or water (rainwater), or in a vehicle.

- There is a danger of electric shock or fire.

Do not install the product in locations without ventilation such as a bookshelf or a wall closet.

- This may cause fire or damage to the product.

Do not install to an unstable location, for example on a stand that is smaller than the product.

- If the product falls it may injure children or become damaged. Install on a stable location as the front section is heavy.

In case of lightning, immediately turn the system off and disconnect the power cord from the wall outlet.

- There is a danger of electric shock or fire.

⚠ Notice

Make sure the product's vents are not blocked by a tablecloth or curtain.

- This may cause fire or damage the product.

Place the product on the ground carefully.

- Failing to do so may cause damage or injury.

Do not drop the product while moving it.

- Failing to do so may cause damage or injury.

Keep the product out of children's reach.

- A falling product may cause harm to children. Since the front part of the product is heavier than the back part, install the product on a flat and stable location.

Cleaning and Use Related

⚠ Warning

To not insert any metal such as chopsticks, wires, gimlets, or inflammable substances such as paper and matches into the vents of the product or the AV ports.

- There is a danger of electric shock or fire.
  If water or an alien substance gets into the product, turn the product off, disconnect the power cord from a wall outlet and contact a **Service Center**.

Do not disassemble, or attempt to fix or modify the product.

- When the product requires repairs, contact a **Service Center**.
  There is a danger of electric shock or damage to the product.

Keep the product away from inflammable sprays or other such substances.

- There is a danger of fire or explosion.

Do not place containers with water, vases, drinks, chemicals, small metal parts or heavy objects on the product.

- If any object or liquid gets into the product, it may cause electric shock, fire or personal injury.

Do not allow any children to place objects such as toys or cookies on the product.

- If a child tries to reach for any of these objects, the product may fall and injure the child.

Never look directly at the light of the lamp at the front of the product and never project the picture onto eyes.

- This is dangerous especially for children.

If the product emits smoke, unusual noise, or there is a burning smell, turn the system off immediately, disconnect the power plug from the wall outlet, and contact a Service Center.

- There is a danger of electric shock or fire.

If the power plug pin or jack is exposed to dust, water or alien substances, clean it.

- There is a danger of electric shock or fire.

Ask a Customer Center or Service Center to internally clean the product at least once a year.

- If the dust within the product is not cleaned over a long time, it may cause a problem with the product or even fire.

Clean the product lightly using a soft dry cloth or towel after disconnecting the power cord from the wall outlet.

- Do not clean the product using chemicals such as wax, benzene, alcohol, paint thinners, mosquito repellant, aromatics, lubricant, cleansing solutions, etc.

For long periods where the product is not being used, disconnect the power plug.

- There is a danger of electric shock or fire.

Be sure to contact an authorized Service Center when installing your set in a location with heavy dust, high or low temperatures, high humidity, and chemical substances, or where it will be operated for 24 hours continuously such as an airport, train station or etc.

- Failure to do so may cause serious damage to your set.

When the product is dropped or its case is broken, turn the product off and plug out the power plug, as this may cause electric shock or fire.

- In this case, contact a Service Center.

Take care not to lose the lens cover of the product.

- Failing to use the lens without the lens cover, may damage the lens.

Correct Disposal of This Product
(Waste Electrical & Electronic Equipment) - Europe only

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

| Product Features | Product Views | Battery (sold separately) | Product Specifications |

Product Features

A custom made new projector designed for important marketing activities and presentations of the active business man!
The Portable Projector SP-P300ME provides high mobility and ease of use at a reasonable price.

The New Concept Projector for High Mobility

- Small Size.
- Lightweight.

A Battery Pack that Enables Projections without Connecting a Power Cord
(For more information about the battery, refer to the battery description.)

- The Projector is operable with a charged battery.
- You can enjoy wide screen viewing without connecting the power cord.

Next Generation Backlight Light Source, LED Lamp

- Effective energy saving through the use of low voltage.
- Semi-permanent long lifetime guaranteed.

| Product Features | Product Views | Battery (sold separately) | Product Specifications |

Product Views

Your Projector

1. Power Button[⏻]

To turn it on

Press the Power button. The Power LED will light up and the power is turned on.

To turn it off

Press the Power button until the Power LED is turned off.

2. Menu Button[▥]

Press to display the OSD menu.
This is also used to exit the OSD or to return to a higher level of the OSD menu.

3. Adjustment Button[◁▴▷▾]

Press to move the OSD menu or to adjust a value on the OSD menu screen.

4. Enter Button [▦] / SOURCE Button

Press to select an OSD menu.
When pressing the 'SOURCE' button when the menu screen is not displayed the input source (PC, Composite)is switched.

5. SERVICE

The SERVICE terminal is used for after-sales services.

6. PC/COMPOSITE

To connect a PC or VCR, the PC/Composite cable must be connected here.

7. POWER LED

If you turn the projector on, the Power LED lights up and if you turn it off, the Power LED turns off accordingly.

8. TEMP LED

This lights up when the product is out of order.
Refer to the Status of the Operating LEDs.

9. Power Port[⊖‑⊕‑⊕]

To supply power, the power adapter must be connected.

10. Lens

11. Focus Ring

Move it to the left or right to sharpen the image.

12. Battery Port

Install the battery into the battery port.
(For more information about the battery, refer to the battery description.)

Accessories

Quick Installation Guide   Warranty   User Manual CD

Adapter   Power Cord   PC/Composite cable

Lens Cap   Stand (View Stand Installation)   Carrying Case

Use only the adapter supplied with the product.
For purchasing an additional adapter, contact your dealer or nearby service center.

▶ Optional Module

Battery   Video Cable

▶ Status of Operating LEDs

● : On, ○ : Off

POWER (BLUE)	TEMP (RED)	Description
○	○	The set is power off.
●	○	The set is normally operating.
○	●	Check if the inside temperature is higher than the level of normal operating caused by blocked ventilation hole or failed cooling system.
●	●	Check Whether A cooling fan inside of the set is not operating normally or if the ventilation hole on the rear of the set is blocked, because if the inner temperature is too high, the power will shut off.

Bettery

■ Your Battery

1. Locking hole

A part for installing the battery into the projector.

2. Power Terminal

A part for connecting the power to charge only the battery.

3. Battery Latch

A part to fix the battery onto the projector.

4. Battery Charge Indicator

Shows the remaining battery charge.

While charging the battery (by connecting the AC adapter), the LED lights up red.

To check the remaining battery charge, press the PUSH button at

the bottom left of the battery. The green LEDs show the remaining battery charge and are automatically turned off after a while.

When the AC power is connected through the adapter and the battery is being charged, the green LED lights up.

Battery Installation and Precautions.

1. Installing the Battery

Place the projector over the battery and push it down pushing the back of the projector forward.
When the projector is connected to the battery, the screen is displayed automatically. Do not look directly at the lens while connecting the battery.

2. Removing the Battery

Hold the rear part of the projector and lift it up sliding the latch on the back of the battery to the left ( ).

3. Battery Use Time

- Use Time: 2.5 Hours / Charge Time: 3 Hours

4. Charging the Battery

Charging the battery when the battery is separated from the projector.

- Adapter Standard : DC 14 V, 3.5 A

Charging the battery when the battery is installed in the projector.

5. Battery Use Instructions

Please follow the instructions below when using the battery.

Use only an authorized battery.
Using an unauthorized battery may damage the projector and the battery may explode during use.

Avoid heat or impact to the battery.
Avoid strong force/impact to the battery, such as dropping or throwing the battery. Avoid exposing the battery to high temperatures such as a sauna. This may generate heat or cause a fire or the battery to explode. If the battery generates heat or fire, is damaged or deformed, immediately remove the battery from the projector, and isolate the battery in a safe location as it may generate heat or cause a fire or explosion. Contact a nearby service center immediately.

Do not apply strong pressure to the battery hard and do not impact the battery with a sharp object.
Do not press the battery hard when it is in a bag or do not punch the battery with a sharp object such as gimlet, nail or tack. It may damage the battery or cause a heat, fire or explosion.

When not using the battery over a long period
As leaving the projector with the battery installed over a long time may result in the battery being discharged, or the projector to become inoperable even if the power is switched off, remove the battery from the projector when not using it for long periods. When using the rechargeable battery for the first time or after a long period of not being used, charge the battery fully first.

Turn the power off first.
As removing the battery when the power is on may damage the projector, never remove the battery when the power is on.

Use only an authorized adapter.
If an unauthorized adaptor is used, the projector battery may become damaged or explode.

Do not stare directly at the lens when installing the battery.
When the battery is connected to the main body, the screen is automatically turned on. If you stare

at the lamp light or the light is projected onto your eyes, it may cause damage to your eyesight.

🔅 **Avoid touching the battery charging terminals with metal objects such as necklaces, coins, keys, etc.**
There is a danger of fire or explosion.

🔅 **Avoid keeping the battery in air-tight locations exposed to high temperatures such as within a vehicle exposed to the sun. Keep the battery around room temperature (between 0°C and +40°C).**
There is a danger of external deformation or explosion.

🔅 **Keep the battery out of reach of children or pets.**
If the battery is flooded or damaged, the battery may explode.
There is a danger of fire.
Coming into contact with a damaged battery (also orally) may affect the human body. If the battery is broken and the battery fluid comes into contact with your skin, wash the fluid off with flowing water for 1 or 2 minutes so that the fluid is completely washed off.

| **Product Features** | **Product Views** | **Battery (sold separately)** | **Product Specifications** |

Product Specifications

The external design and product specifications may change without prior notice due to improvements to the product performance.

▶ Product Specifications

Model		SP-P300ME
Panel	Size	0.55"
	Resolution	800 x 600 (SVGA)
Light Source		LED
Power	Power Consumption	Less than 25 W (without Battery)
	Standard Voltage	DC 14 V, 3.5 A
Dimension		127.2 mm x 94.5 mm x 50.8 mm
Weight		700 g
Major Functions	Brightness	25 ANSI lm
	Contrast	1000:1
	Screen Size	Diagonal 12.5" ~ 63"
	Projection Distance	0.5~2.8 m
	Keystone	Vertical
Input/Output (24Pin)	PC	1) Connector Type : 15Pin D-Sub
		2) Frequency (Refer to the Supported Display Modes.)
	Composite	Supported Broadcast Signals : NTSC, PAL, SECAM (PAL-60 is not supported.)
Operating Environment	Temperature and Humidity	Operating: temperature (0°C~40°C / 32°F~104°F), Humidity (10~80%)
		Storage: temperature (-20°C~45°C / -4°F~113°F), Humidity (5~95%)
	EMI	Class B
	Noise	Maximum 25 dB (by Samsung Reference)

This Class B equipment is designed for home and office use.
The equipment has been registered regarding EMI for residential use. It may be used in all areas. Class A is for office use. Class A is for business while class B emits less electromagnetic waves

than class A.

CLASS 1 LED PRODUCT

Supported Display Mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Clock Frequency (MHz)	Polarity (Horizontal /Vertical)
VGA, 640 x 350	31.469	70.086	25.175	+/-
VGA, 640 x 350	37.861	85.080	31.500	+/-
VGA, 640 X 400	37.861	85.080	31.500	- /+
VGA, 640 x 480	31.469	59.940	25.175	- /-
VGA, 640 x 480	31.469	59.940	25.175	- /-
VGA, 640 x 480	37.500	75.000	31.500	- /-
VGA, 640 x 480	43.269	85.008	36.000	- /-
VGA, 640 x 480	35.000	66.667	30.240	- /-
VGA, 720 x 400	31.469	70.087	28.322	- /+
VGA, 720 x 400	37.927	85.039	35.500	+/+
SVGA, 800 x 600	35.156	56.250	36.000	+/+
SVGA, 800 x 600	37.879	60.317	40.000	+/+
SVGA, 800 x 600	48.077	72.188	50.000	+/+
SVGA, 800 x 600	46.875	75.000	49.500	+/+
SVGA, 800 x 600	53.674	85.061	56.250	+/+
SVGA, 848 x 480	31.020	60.000	33.750	+/+
SVGA, 832 x 624	49.726	74.551	57.284	+/+
XGA, 1024 x 768	35.522	43.479	44.900	+/+
XGA, 1024 x 768	48.636	60.004	65.000	- /-
XGA, 1024 x 768	56.476	70.069	75.000	- /-
XGA, 1024 x 768	60.023	75.029	78.750	+/+
XGA, 1024 x 768	68.677	84.997	94.500	+/+
XGA, 1024 x 768	48.78	60.001	64.000	- /-
XGA, 1024 x 768	60.241	74.927	80.000	- /-

The DMD Panel used in Samsung Projectors consists of several hundred thousand micro mirrors. As with other visual display elements, the DMD Panel may include a few bad pixels, Samsung and the DMD Panel manufacturer have a rigid, bad pixel identification and limitation procedure in place and products will not exceed the maximum number of bad pixels set by our standards. Rarely, non-displayable pixels may exist, however it does not affect the overall picture quality nor the lifespan of the product.

| Basic Settings | Connecting the Power | Connecting with a PC | Connecting with an AV device |

Basic Settings

Installing a Projector

Install the projector so that the beam from the projector is perpendicular to the screen.

- Place the projector so that the lens is at the center of the screen.
  If the screen is not vertically installed, the picture on the screen may not be a rectangle.
- Do not install the screen in a bright surrounding. If the screen is too bright, the picture on the screen is not displayed clearly.
- When installing the screen in a bright surrounding, use curtains or blinds to darken the surroundings.
- You can install the projector to the front floor / front ceiling / rear floor / rear ceiling.
  (**To view the installation position settings**)

1 To view the picture when installing the projector to the rear of the screen,

install a semi- transparent screen.
Select **Menu > Setup > Install > Rear- Floor**

2 To view the picture when installing the projector to the front of the screen,

install the projector at the side where you are watching the screen.
Select **Menu > Setup > Install > Front- Floor**

Focusing

1 Turn the Focus Ring left or right until the picture on the screen is displayed clearly.

If the distance between the projector and the screen is farther or shorter than the specified projection distance (Refer to the **Screen Size and Projection Distance**), the focus adjustment might fail.

Screen Size and Projection Distance

Distance	Picture size(mm x mm)	Diagonal Inch
0.5 m	25.5 * 19.1	12.5"
1.0 m	50.8 * 38.1	25.0"
1.64 m	83.3 * 62.5	41.0"
2.0 m	101.6 * 76.2	50.0"
2.8 m	127.0 * 95.3	63.0"

The screen is designed to be optimal at 41".

Connecting the Power

Connect the adapter to a wall outlet( ).

Connect the power cord to the adapter and connect it to a wall outlet.

When the power is connected, the screen turns on automatically. Do not stare at the lens while connecting the power.

Use only an authorized adapter.

Connecting with a PC

1. Connect the [PC/COMPOSITE] port on the side of the projector and the Monitor OUT port [D-Sub] of the PC using a PC/Composite cable.

2. When all the connections above have been connected, turn the projector and the PC on.

Using the Projector

1. Selecting the external input source.
   - Select PC IN by using the Menu and Adjust buttons. **(SOURCE)**
   - Select PC input using the Adjust buttons. **(Menu > Input > Source List > PC)**

2. Adjust the screen so that the picture can be viewed comfortably.

To listen to audio, an additional audio system is required.

Connecting with an AV device

Side of the Projector

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01 Connect the [Composite Input (Yellow)] port on the side of the projector and the Video Out (Yellow) port of the AV device with a video cable.

02 When all the connections above have been connected, turn the projector and the video devices on.

How to Use

01 Selecting the external input source.

　　 Press the SOURCE button and select the PC input **(SOURCE)**

　　 Select PC input using the Adjust buttons. **(Menu > Input > Source List > Composite)**

02 Turn the connected AV device.

　　 To listen to audio, an additional audio system is required.

SP-P300ME

The Checklist before reporting a problem

Installation and Connection

Symptom	Solution
Cannot turn the power on.	When using the adaptor : Check the connectivity of the power to the projector. When using the battery : Check the connection status of the battery and the projector, and the remaining battery charge.
The screen is distorted or displayed in a trapezoid shape.	Install the projector so that the beam from the projector is perpendicular to the screen.
Cannot select an external device.	Check if the external device connector (video cable) is properly connected to the corresponding port and check the connectivity. If the cable is not properly connected, you would not be able to select the external source.

Screen and External Device

Symptom	Solution
A blank screen is displayed.	Check the power connection of the projector. Check if the input selection is correct. Check if the projector cable is properly connected. Check if "Brightness" is set to the minimum level. Check if the "brightness" is set to the minimum by selecting Menu > Picture > Custom Picture > Brightness. Check if the external device is operating and check the video output settings. Adjust the contrast by selecting Menu > Picture > Custom Picture > Contrast.
The color is abnormal	Select Menu > Picture > Custom Picture > Contrast and check if the value is normal.
The picture is dim.	Focus the lens. Check if the projection distance is too far or too close.
A strange sound is generated by the product.	If the sound continues, contact a Service Center, as this might be happening due to a defective part.
Lines appear on the screen.	There may be distortion when using a computer. Select Menu > Setup > PC > Coarse Settings and adjust the display frequency.
The external device screen is not displayed.	Check if the external device is operating properly and then check if the "Brightness" or "Contrast" settings have been changed by selecting Menu > Picture > Custom Picture from the projector menu.
Only a blue screen appears.	Check the connectivity between the external device and other connections.
The screen is displayed in black and white or the color is abnormal. / The screen is too dim or too bright.	As described above, check the "Brightness" or "Contrast" of the Menu Settings. To initialize the settings of the projector to the factory defaults, select "Factory Default" from the menu.

SP-P300ME

| Custody and Management | Contact SAMSUNG WORLD-WIDE | Other | Authority |

Custody and Management

To clean the exterior and lens of the projector

Clean the projector using a soft dry cloth.

- Do not clean the projector with inflammable substances such as benzene, paint thinners or a wet cloth, as these may cause problems.

- Do not touch the projector with a nail or any other sharp objects, as this may scratch the surface.

To clean the interior of the projector

For cleaning the interior of the projector, ask your Service Center or product provider.

- Contact your product provider or Service Center if dust or other alien substances are inside the projector.

| Custody and Management | Contact SAMSUNG WORLD-WIDE | Other | Authority |

Contact SAMSUNG WORLD-WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

North America		
CANADA	1-800-SAMSUNG (7267864)	http://www.samsung.com/ca
MEXICO	01-800-SAMSUNG (7267864)	http://www.samsung.com/mx
U.S.A	1-800-SAMSUNG (7267864)	http://www.samsung.com

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THAILAND	1800-29-3232, 02-689-3232	http://www.samsung.com/th
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U.A.E	800SAMSUNG (7267864)	http://www.samsung.com/mea

| Custody and Management | Contact SAMSUNG WORLD-WIDE | Other | Authority |

Other

Advantages of Pocket Imager

Long Lifetime

Replacing the lamp is not necessary unlike for other projectors.

Low Power Consumption

Since it consumes less power, it can run on battery power unlike other projectors.

Glossary

ANSI

Abbreviations of the American National Standards Institute

ANSI Lumen

Unit of brightness as defined by the American National Standards Institute. This value is determined as follows: project light onto a 40-inch screen, divide the screen into 9 rectangles and measure the average brightness of each of the rectangles. Since the brightness at the center is generally different from that of the edges, ANSI Lumen provides a more precise measure of the projector brightness than LUX.

Contrast Ratio

This is the difference between the brightest point and the dimmest point. The higher the contrast, the higher the brightness.

ITU

Abbreviations of International Telecommunications Union, a subsidiary standardization body of the UN. ITU is the standardization body of the UN in charge of international agreements, standards and recommendations on electric communications. Standards for desktops developed by ITU include "V.dot" and "Group-　" for data modems and fax.

T.120

T.120 is data for standard

- Description of standard on file transmission and white board.
- Shared application submitted to ITU for approval as a part of the T.120 standard.

H.320

H.320 is the ITU standard for public circuit-switched networks.
- A comprehensive standard for audio and video. It can be shared between systems that sell ISDN.
- Including the H.261 Video Standard, G.711, G.722 and G.728 audio standards, and data for the T.120 standard.

Backwards Compatible

Backwards compatibility for previous computer models. The SVGA (800*600) projector provides backwards compatibility for SVGA and VGA (640*480) computers.

Compression Mode

A mode that displays video in a zoomed out format.

Contrast Ratio

The ratio of the brightest and dimmest points on the screen.

Convergence

The alignment of the Red, Green and Blue video signals on the projected picture on the screen.

Display Size

The Display Size is determined by the diagonal length of the LCD panel.

Distribution Amplifier

A device that amplifies and transmits video signals over a long distance via coaxial cable.

EGA

Enhanced Graphics Array. EGA provides enhanced graphics quality in XT and AT IBM PC as a CGA card. (640x350 pixels for all modes)

Hz (kHz, MHz)

Hertz (Kilohertz, Megahertz). Frequency per second. (Kilo: 1,000, Mega: 1 million) Hz is used to represent the frequency of electric signals.

NTSC

National Television Standards Committee. A TV and video signal transmission standard developed in North America in 1953. 525line / 60 Hz

PAL

Phase Alternate Line. A method to transmit and receive color line by line. PAL is widely used in Western European countries. 625line / 50 Hz

SECAM

Sequential Couleur Avec Memorie. A TV standard developed in France. SECAM is mainly used in France and Eastern European countries. 625 lines / 50 Hz

Super VGA (SVGA)

SVGA provides a graphics resolution of 800x600 pixels. This standard includes a vertical frequency version.

VGA

Video Graphics Array. Standard output interface for IBM PS/2. An analog graphics card developed by IBM that supports 720x400 pixels resolution in text mode and 640x480 pixels for graphics mode. (Other graphics cards process digital data.)

Video

The picture projection capability of a PC with a VCR, Laser disk or CD-ROM drive.

XGA

Extended Graphics Adapter. A graphics standard developed by IBM. XGA includes VGA standard and provides 1024x768 pixels of resolution.

DVD

Digital media developed to provide the advantages of CD and LD. DVD provides high quality video and audio.

Satellite Broadcast

Satellite Broadcast transmits programs via satellite so that broadcasts are viable in all areas in a high visual and sound quality.

External Input

External Input is provided to connect external video devices other than a TV tuner such as a VCR, camcorder, DVD

player, etc. as a video source.

English Caption (= Caption Settings)
A function that shows English captions or text information included in the broadcasting signal or video tape. You can use this function for studying English by watching AFKN or CC marked video tapes.

Resolution
Pixels are a number of small dots making up the TV screen. The resolution represents the number of pixels on a screen. Since, the more pixels there are, the more information is displayed, select a higher resolution when you wish to view multiple tasks simultaneously.

For example, if the resolution of a TV is 800 * 600, this means the width of the screen consists of 800 pixel columns and the height of the screen consists of 600 pixel rows.

Vertical Keystone
This correction function is used when vertical distortion of the projected picture occurs. Vertical distortion refers to the distortion of the projected picture when the beam from the projector is not vertically perpendicular to the screen. You can view pictures more comfortably by correcting the distortion using the Vertical Keystone function.

Projected Picture
A picture projected by the projector onto the screen.

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