



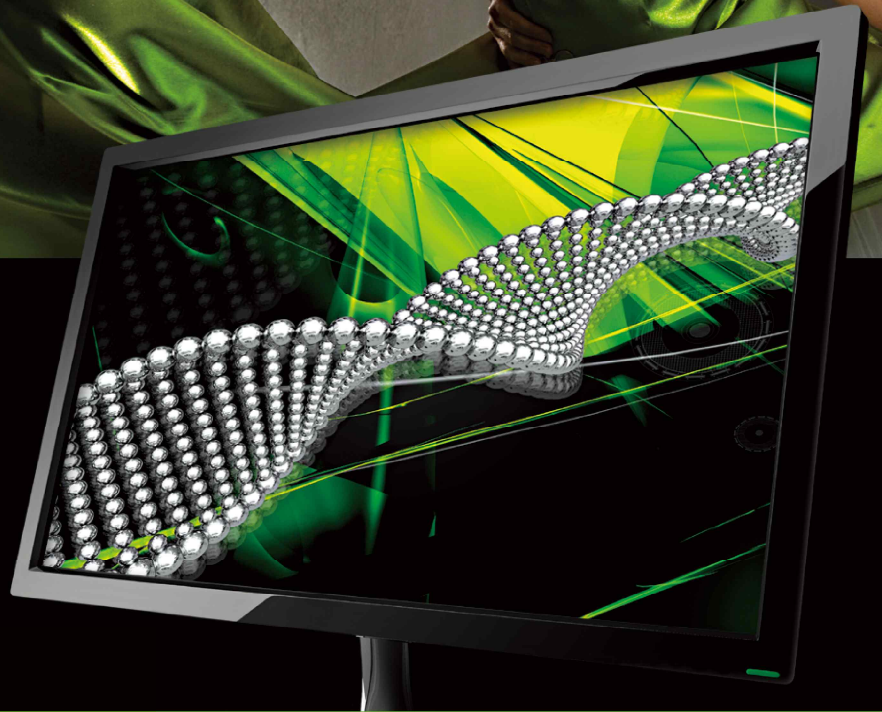
2010 Certificate of Good Design Selection



# User's Manual

## 68.47cm LED MONITOR

Super-In Plane Switching | Wide field of view



# CATLEAP 0270 LED / SE

1. This product can use for a pc only
2. This product cannot support a MAC pc or some system, it can cause a trouble.
3. Please read this manual carefully before operating.
4. Keep this manual for read next.

# YAMAKASI

# CONTENT

Cautions &  
Monitor installing

Assembling &  
Connecting

Specification &  
ETC

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# Cautions

this image is only for reference, it can be different by cases.

Before using product please read and use it correctly.  
After read it, keep it in safe place that you can read it whenever you want.

## ! Cautions



This mark is for safety.

## ! Cautions



This mark is for forbidden.



This mark is the rule you must keep.

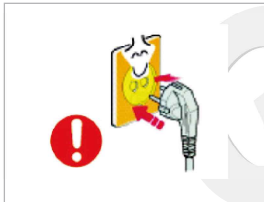
### Cautions for Power



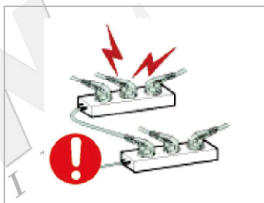
- ▶ Set your PC to DPMS mode when you don't use the monitor for long periods.
- ▶ When you set a screen saver, set it moving image mode.
- ▶ Don't use damaged power-line, plug or loose socket, it causes an electric shock or a fire.



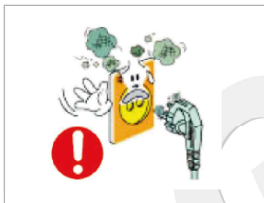
Don't grab wet hands or wet hands when you pull the plug out.  
– It can cause an electric shock or fire.



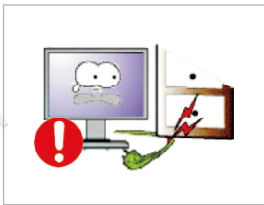
Put the plug in the socket correctly.  
– If the connection is unstabled, it causes the screen blinked or a fire.  
– When you pull the plug out, please grab plug.  
If you pull the power-line, it can cause a fire by disconnection or a short circuit.



Don't put too many plugs in socket.  
– It can cause a fire by overloading



Don't use an damaged plug or socket, it can cause an electric chock or a fire.  
– It can cause fire by a short circuit, so please keep this rule.



If you bend the power plug by force, it can cause a disconnection or a short circuit.  
– The disconnection can cause fire by a short circuit, so please keep this rule.



Don't pull the power cord while using the monitor.  
– If you do it, it can impair the monitor by electric impact.

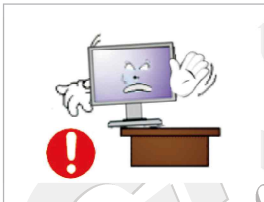
### Cautions Installing



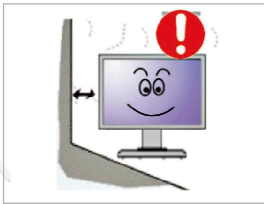
Make sure you contact a service engineer before you install the monitor at different or special environment. It can make a serious quality problem.



Don't set or use the monitor in dusty or humid circumstance.  
– It can cause a fire by disconnection or a short circuit.



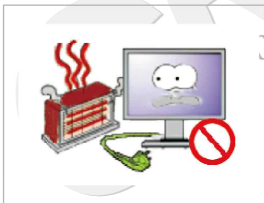
Make sure monitor's support doesn't get out of corner of desk.  
– If the product falls on the floor, it can cause a trouble or broken.



Set the monitor far from the desk at least 10cm more from the wall for ventilation..  
– It can affect the component's lifespan or performance because of high temperature of the monitor.



Set the monitor carefully.  
– If the product falls on the floor, it can cause a trouble or broken.



Try not to put a power-line near the heat equipment.  
– It can cause a fire by melting the power-line's sheath, so please keep this rule.  
– Don't put the cigarette light, candle on the monitor. It can cause a fire.

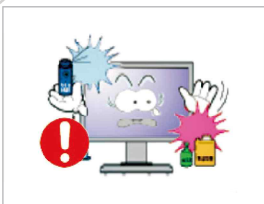


Contact the professional company for a wall-hanging.  
– The construction by an amateur can be damaged.  
Please use the designated equipment.

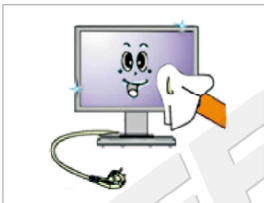
### Cautions cleaning or using



Don't sprinkle detergent over the exterior of the monitor.  
– If you sprinkle directly, it can cause the discoloration, divdiness or rubbing off of LCD panel.



Don't keep the monitor near the combustible spray and flammables .  
– The carelessness of product can cause fire or explosion.



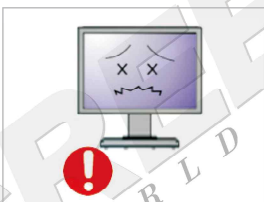
When you clean the monitor, please pull the plug out.  
– If not, it can cause a electric shock or fire.



When you clean the monitor, wipe it with a dry towel.  
– Don't use any chemicals like wax, benzene, alcohol, thinner.



Don't put any metals or flammables in the vent, headphone or AV terminal.  
– It can cause an electric shock or a fire.  
– If water or foreign substance is poured in the inside of the product, turn off the monitor's power, pull the plug out of socket, and contact the service center.



If you use the monitor as fixed screen for long periods, it can cause the afterimage or stain  
– Set a screen saver or moving image when you don't use the monitor for long periods.



If the monitor occur weird sound or smoke, you have to unplug the power plug and contact a Service Center Immediately.  
– it causes an electric shock or a fire.



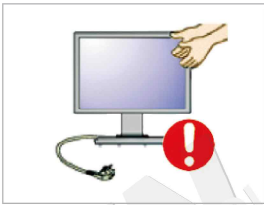
Don't cover at a ventilation opening.  
– It can cause a fire or a trouble for poorly ventilation.



When the display is not use for an extended period of time, unplug it  
– If not, it can cause a electric shock or fire for dust.



Don't set or use the monitor in a shaking shelf or a sloping place, vibrating.  
– When it can cause a trouble or brocken.



Unplug the power cord, other cables before moving the display to another location.  
– If not, it can cause a electric shock or fire.



Don't play near the display specially Children.  
– If the product falls on Children, it can cause a injury or death.



Set the monior proper the resolution and the frequency. If not, it can cause failing of eyesight.  
– The resolution is different According to display size.

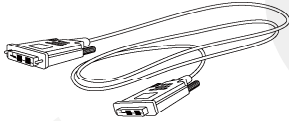
# Monitor accessories

Make sure the following items are included with your monitor.  
If any items are missing, contact your dealer.

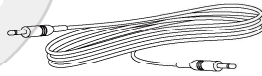


Monitor


(This image is different according to monitor model.)



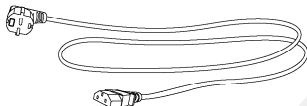
Dual-Link DVI CABLE



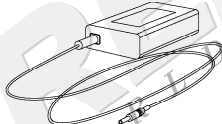
SOUND CABLE  
catleap Q270 LED SE  
model does not include.



MANUAL/  
PRODUCT WARRANTY



POWER CABLE



ADAPTER

\*Accessories color can change for quality improvement.

# On Screen Display(OSD) Setting

FRONT



1

2

3

4

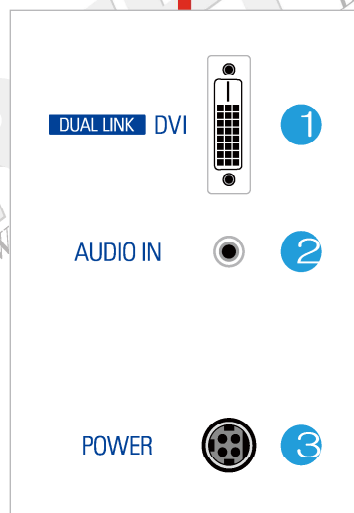
5

- 1 ^ - Volume up (Only Catleap Q270 LED model available)
- 2 v - Volum down (Only Catleap Q270 LED model available )
- 3 ^ - Brightness up
- 4 v - Brightness down
- 5 ⏻ - Power



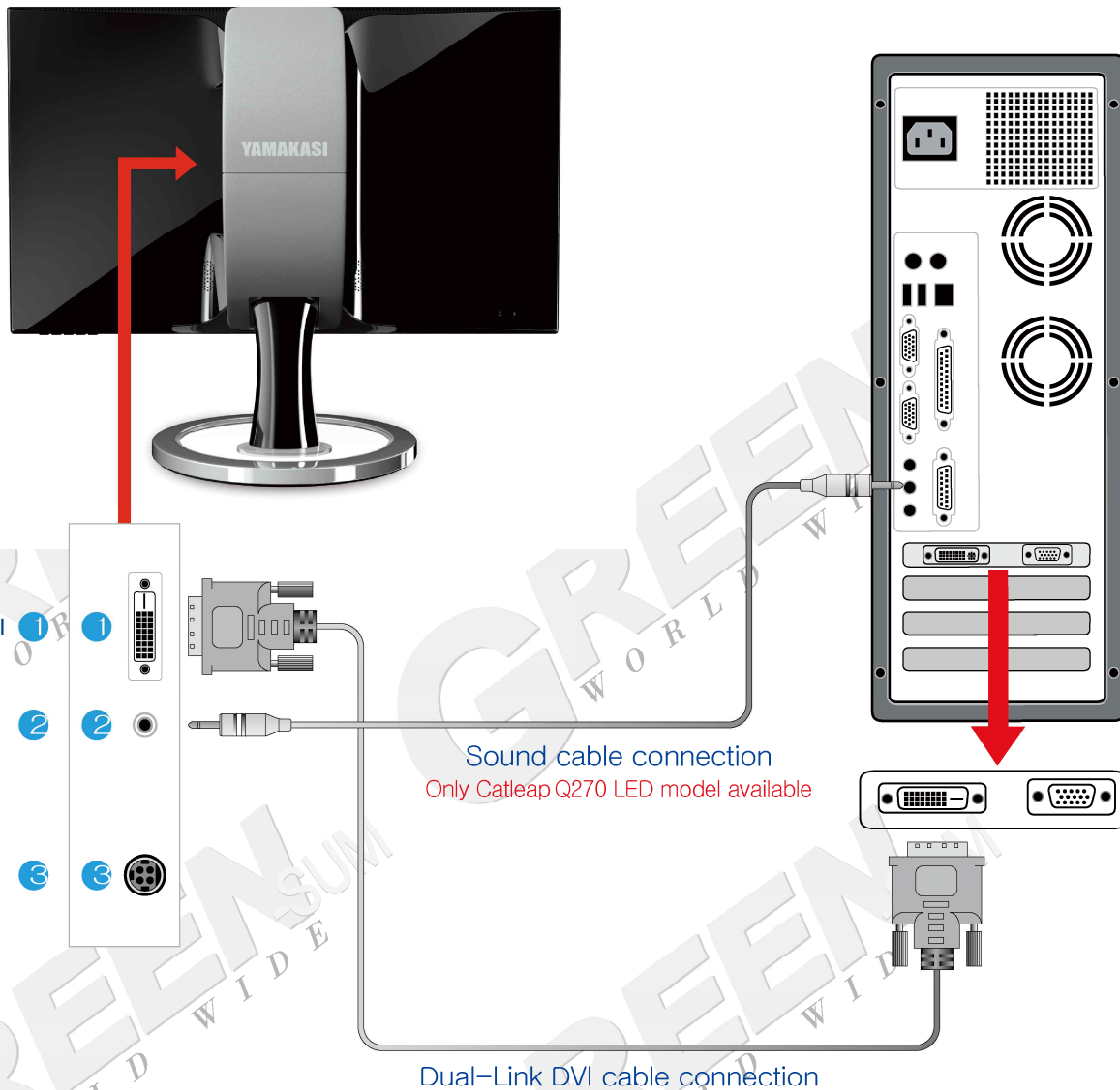
# On Screen Display(OSD) Setting

BACK(This image is different according to monitor model.)



- ① Dual-Link DVI – Dual-Link VGA card can support.
- ② AUDIO IN – Supports external audio input with Mono/stereo signal.  
(Only Q270 LED model available )
- ③ POWER – Monitor power input

## Connecting to a PC



⚠ Only Dual-Link DVI VGA card can available!

1. Monitor power input. (Only 220V)
2. When using digital signal(DVI) from vga card,  
connect the monitor Dual-Link port to the pc body.

## Stand function

### Positioning your display

After installation, adjust the angle. Adjust the position of the stand in various ways for maximum comfort.

When you adjust the angle, do not hold the Monitor or push unreasonably, may injure or broken.



### TILT!

After installing the monitor, you can adjust the monitor set manually to the up or down direction to suit your viewing position.



### SWIVEL!

After installing the monitor, you can adjust the monitor set manually to the left or right direction to suit your viewing position.

# Specification | Catleap Q270 LED

| Section                  |   |
|--------------------------|---|
| Model                    | Catleap Q270 LED                            |
| LCD Panel                |   |
| Size                     | 27inches 16 : 9 WIDE (68.47cm)              |
| Visible Screen Size      | 596.73(H) x 335.66(V)                       |
| Resolution Recommend     | 2560 x 1440 60Hz                            |
| Pixel Pitch              | 0.2331mm x 0.2331mm                         |
| Display Colors           | 16.7M Color                                 |
| Brightness               | 380cd/m <sup>2</sup>                        |
| Contrast Ratio           | 1000 : 1                                    |
| Response time            | 6ms   |
| Viewing angle            | Left and right 178° / Up and down 178°      |
| Dimensions(W x H x D)    | 648mm x 505mm x 259mm With Stand            |
| Frequency                |   |
| Vertical Frequency       | 30~80KHz                                    |
| Horizontal Frequency     | 60Hz  |
| Input Signal             |   |
| Input Signal             | Dual-Link DVI / AUDIO IN                    |
| Sound Output             |   |
| Speaker                  | 2W x 2W                                     |
| Power                    |   |
| Power Input              | DC 24V 5A                                   |
| Power Consumption        | On Mode : 63W / Sleep Mode : 0.6W           |
| Environmental conditions |   |
| Operating                | Temperature : 0℃~40℃ / Humidity : 20℃~80℃   |
| Storage                  | Temperature : -20℃~60℃ / Humidity : 10℃~90℃ |

## Preset Mode(Resolution)

| Display Modes (Resolution) | Vertical Frequency(Hz) |
|----------------------------|------------------------|
| VGA 640 x 480              | 60~75                  |
| SVGA 800 x 600             | 60~75                  |
| XGA 1024 x 768             | 60~75                  |
| SXGA 1280 x 1024           | 60~75                  |
| WXGA 1360 x 768            | 60                     |
| WXGA+ 1600 x 900           | 60                     |
| WUXGA 1920 x 1080          | 60                     |
| WQHD 2560 x 1440           | 60                     |

\* Display size can change for quality improvement

# Specification | Catleap Q270 LED SE

| Section                  |   |
|--------------------------|---|
| Model                    | Catleap Q270 LED SE                         |
| LCD Panel                |   |
| Size                     | 27inches 16 : 9 WIDE (68.47cm)              |
| Visible Screen Size      | 596.73(H) x 335.66(V)                       |
| Resolution Recommend     | 2560 x 1440 60Hz                            |
| Pixel Pitch              | 0.2331mm x 0.2331mm                         |
| Display Colors           | 16.7M Color                                 |
| Brightness               | 380cd/m <sup>2</sup>                        |
| Contrast Ratio           | 1000 : 1                                    |
| Response time            | 6ms   |
| Viewing angle            | Left and right 178° / Up and down 178°      |
| Dimensions(W x H x D)    | 648mm x 505mm x 259mm With Stand            |
| Frequency                |   |
| Vertical Frequency       | 30~80KHz                                    |
| Horizontal Frequency     | 60Hz  |
| Input Signal             |   |
| Input Signal             | Dual-Link DVI / AUDIO IN                    |
| Sound Output             |   |
| Speaker                  | 2W x 2W                                     |
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| Power Input              | DC 24V 5A                                   |
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| WUXGA 1920 x 1080          | 60                     |
| WQHD 2560 x 1440           | 60                     |

※ Display size can change for quality improvement.

## Defective pixel processing regulations

### ■ Regulations for Perfect pixel option

Bright-dot occurs more than 1ea – Product Exchange. But Dark-Dot does not include.

– Bright-dot : Issued dot in black screen.

– Dark-dot : Non issued dot in black screen.

※Within 1 month from purchase only with receipt. If panel scratched or damaged, not in warranty.

※Handling standard – within 1 month from purchase – full exchange,  
1 month ~ 3month – panel exchange.

### ■ Regulations for Non Perfect pixel option.

Up to 5 Bright dots are verified as defective

– Within 1 month from purchase only with receipt, If panel scratched or damaged, not in warranty.

– Handling standard – within 1 month from purchase – full exchange,  
1 month ~ 3month – panel exchange.

– Regulations for checking dead pixel – Over 750Lux light, need to be able to identify  
more than distance of 18'

– Center part(5) : more than 1ea (Bright dot) – defective

Other parts(1~9, except 5) : more than 5ea – defective

– You can follow the picture below. But, some of our models are excluded in this regulations (RP series)

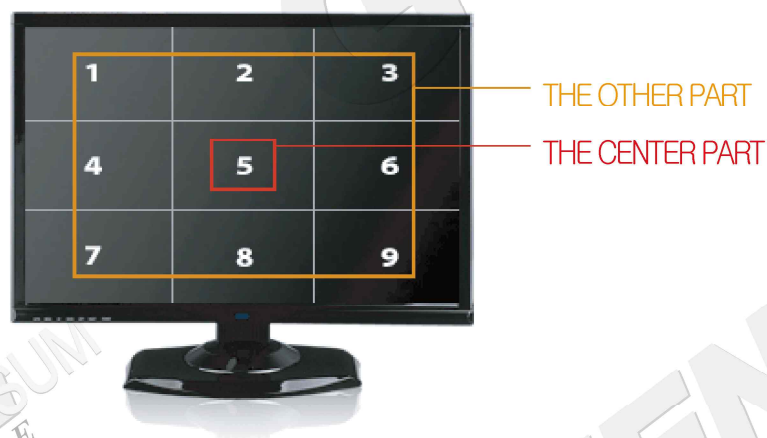
### ■ Criterion

– More than 1Dot at Center part (No.5) : defective

– Bright dot – 4ea / Dark dot at other parts – 1ea : Defective

– Bright dot – 3ea / Dark dot at other parts – 2ea : Clear

– Bright dot – 2ea / Dark dot at other parts – 3ea : Clear



## Glossary of Terms

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### Dot pitch

Monitor Screen combined with RGB dots (Red, Green, Blue). The close distance between the Dots makes Clear and High resolution. Dot pitch means the distance of same dots, and measured as mm.

### Vertical frequency

Display repeats same picture dozen fo times in second, the number of display repeats called Vertical frequency or Refresh Rate, and measured as Hz.

### Horizontal frequency

The time for rating horizontal line from left to right end, called Horizontal cycle. And it's reciprocal is Horizontal frequency. Measured as KHz.

### Plug & Play

The option with monitor and PC exchange their informations automacally to adjust setting environment. Monitor follows VESA DDC for Plug & Play.

### Resolution

The number of Horizontal dots and Vertical dots called as Resolution. It means definity of display. As the resolution is large, can be printed out bigger and more infomations at once.

### D-SUB (Analog signal)

The latest standard input in Analog video signal input. Signal seprated with 5 – Red, Green, Blue, Vertical, Horizontal – called as RGB.

### DVI (Digital Signal)

Digital Video Interface. New standard for High specification displays and to maximize VGA definition.

## Features about TFT LCD panel

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1. TFT LCD panel may have Dark-dot or Bright dot by own structure. It is TFT LCD Panel's property. If you have problem with usage, make inquiries to seller.
2. Can show afterimage or shorten life expectancy with Overfull using. Please use screensaver or sleep mode while you do not use.
3. TFT LCD panel uses High-intensity Backlight. BLU (Back Light Unit) has 50,000 life time. If you use long time can be show dark or blinking screen. In case of this, BLU is expendables, you can change in charged. Please ask sellers.

## About Panel Pixel

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Screen is comprised of millions of pixels. 1ppm (1 of millions) can be darken or brighten. It is not a defecation, does not effect usage.

# TROUBLESHOOTING



Check the following before calling for service

| Condition                                   | Question   | Solution  |
|---|--|---|
| No image appears                            | The power indicator is light off.  | Check and see if the power cord is connected properly.<br>– Press the Power button. |
|   | The power indicator color is orange.   | Check the PC is turned on.  |
|   |  | Re-connect D-sub or DVI cable properly.   |
|   |  | Press INPUT to change input signal.   |
|   |  | In case of External input(Video), turn on the external device.                      |
|   | Try moving the mouse or pressing any key on the keyboard.                                |   |
| The power indicator color is green.         | Check and see if the external device is connected properly.                              |   |
|   | Check individual setting if PC signal is regular condition.                              |   |
|   | Check Field setting if Video signal is regular condition.                                |   |
| Signal Error                                | Signal frequency from PC was exceeded from setting.<br>(This signal frequency shows red) | Adjust mode with Graphic card utility.<br>Please refer to VGA Manual.               |
|   | Display is unstable, vibrating, showing shadow.  | Check PC or VGA has suitable frequency and resolution Monitor can accept.           |
|   | After using program, program crash causes output unusual color.                          | Try to reboot on PC.  |
|   | VGA setting is all-right?  | Set VGA refer to VGA Manual.  |
| Display Position is incorrect               | Any change with VGA or Driver?   | Refer to Adjust screen.   |
| Video Signal Error                          | Signal frequency from AV device was exceeded.  | Refer to AV device Manual, check with Digital Signal format.                        |
| The screen color is mono                    | The screen color is mono   | Re-connect D-sub or DVI cable with PC properly<br>Re-connect VGA card properly.     |
| The screen Brightness is too bright or dark |  | Set the Brightness or Contrast.   |





Yamakasi is kind of extreme-sports spread from Underground of France in late 90s. It need highly advanced techniques such as High altitude jump, Building Climbing, walking tightrope. Witech instrument INC launched our brand 'YAMAKASI' to show our monitor as its own symbolic meaning – challenge, liberty, creation. It will be a great pleasure to empathize and support us for Endless challenge, Freedom of expression and New value creation.

**YAMAKASI**



**A monitor succeeding to the highest gene!**

**⚠ Only DUAL-LINK VGA card can available!**

Office hours Pacific daylight time

Weekday | am 10:00 ~pm 18:00

lunch | pm 12:10 ~pm 13:10

Saturday / Sunday / Holiday Closed

**Customer Support Center**

+8270-4349-5773

yamakasi.witech@gmail.com

 Please  
Recycle