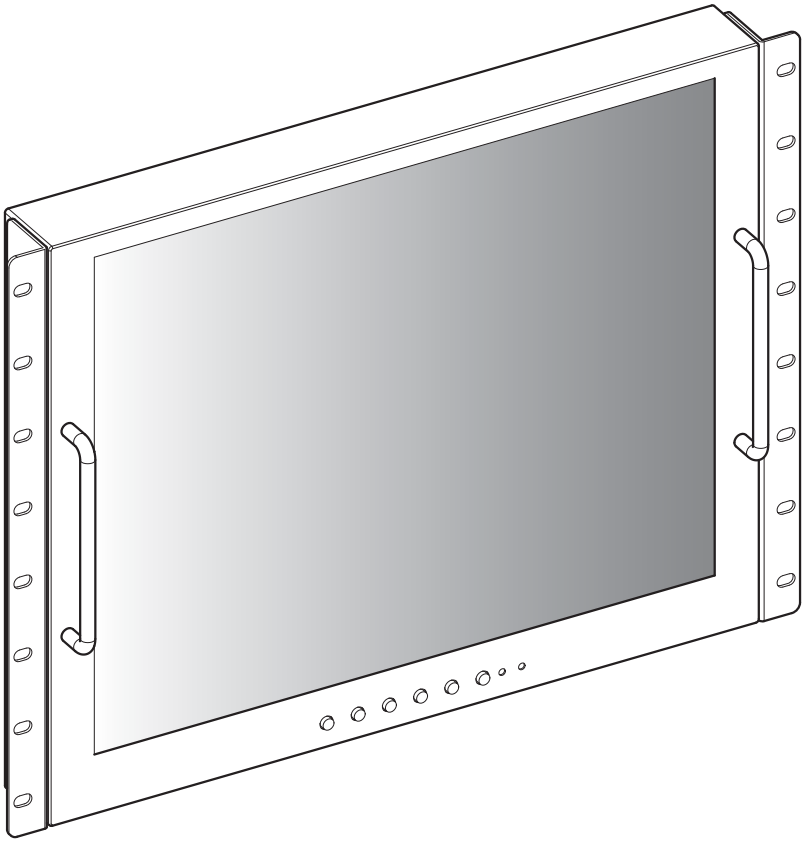
GB Installation and Operating Instructions

17.0"/19.0" TFT LCD MONITOR

VMC-17LCDM
VMC-19LEDM



eneo

All contents of this document may change without prior notice, and actual product appearance may differ from that depicted herein

1. SAFETY INSTRUCTION

※ Follow this safety instruction to use the monitor properly and prevent the damage.

※ This safety instruction has “Warning” & “Caution” as below

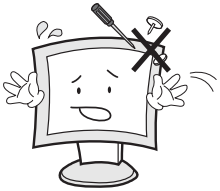
Warning - If the user does not follow this instruction, it may cause the serious damage to the user.

Caution - If the user does not follow this instruction, it may cause the slight damage to the user or cause some damages to the monitor.

※ Keep this user’s guide book for later use.

Warning

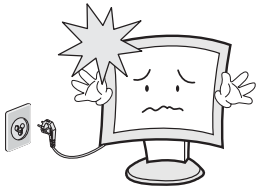
Never remove the back cover and touch the inside of the monitor. If you need a service, please contact the service center.



Keep away the monitor from the direct sunlight and a heating appliance.

Never put objects of any kind into this product as they may result in a risk of fire or electric shock.

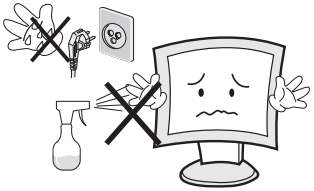
Connect the power cord to the wall outlet tightly. If the power cord or plug are defective and the wall outlet is not tight, please do not use them.



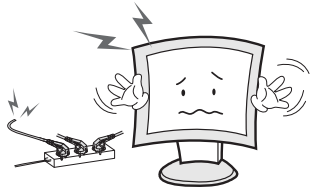
Warning

Do not install this monitor on the outside and near water. It may cause damage to the product, electric shock and fire.

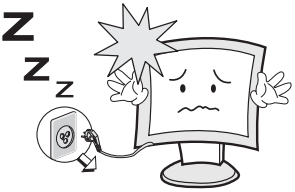
For cleaning do not use liquid cleaners. Never touch the power plug with wet-hands.



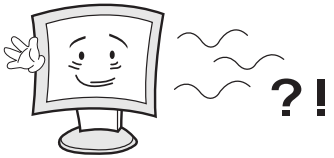
When lightning and thundering, unplug the monitor from the wall outlet and never touch it.



Unplug this product from the wall outlet, when it does not operate for a long time.



When smoking and noising from the monitor, unplug the product from the wall outlet and contact a service center.



WARNING : How to fix

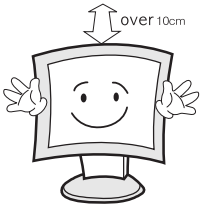
Do not open this product as it contains high voltage inside.

It may create an electric shock.

If the user disassembles and remove the back cover, it does not make sure to make up for the damage and do a service and exchange the monitor.

Cautions

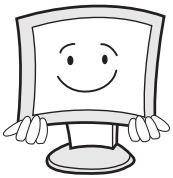
Install this monitor some distance from the wall and do not install unless proper ventilation is provided.



Place this product on a stable place. If not, it may fall, causing serious damages to the monitor and people.

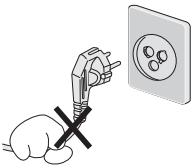
The openings must not be blocked by curtain, rug or other similar surface.

When carrying this monitor, be careful not to damage the panel and drop it. It may cause some trouble.



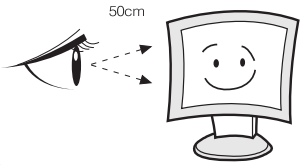
Before carrying the monitor, turn it off and unplug the signal cables and the power cord from the wall outlet.

Take the power plug out from the wall outlet.
Do not pull the cable. It may snap the inner-wires and cause overheating and fire.



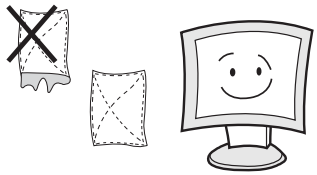
Cautions

Install this monitor about 50cm far from the eyes and an angle of 0~15 degrees below eyes. Too close installation may cause having weak sight.



Do not press the LCD panel with hands or the sharpened material hardly.

For cleaning, unplug the monitor from the wall outlet. Do net use the liquid cloth. Use the soft cloth.



Do not use the chemical liquid for cleaning. It may cause fading and breakage.

2. FCC RF INTERFERENCE STATEMENT

NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

DOC COMPLIANCE NOTICE

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of communications.

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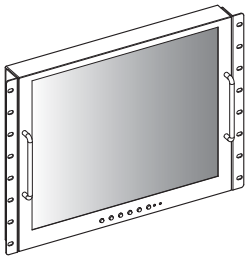
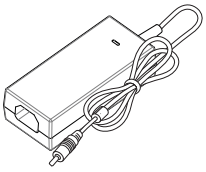
3. INSTALLATION

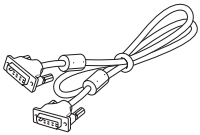
3-1 Parts



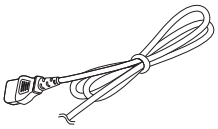
LCD Monitor



Adapter

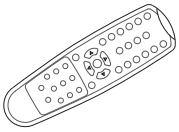


VGA Cable

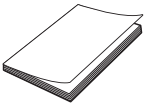


Power Cable

Battery



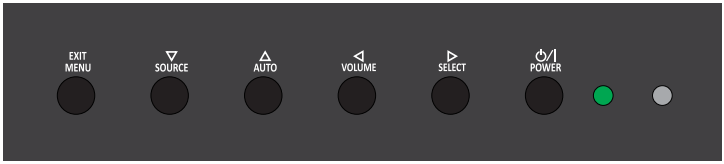
Remote Controller



User Manual

3-2 How to Install

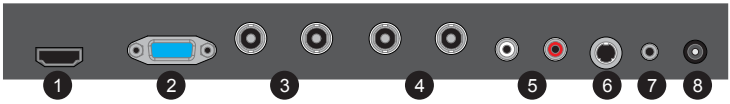
KEY BUTTON



SHORT KEY FUNCTION

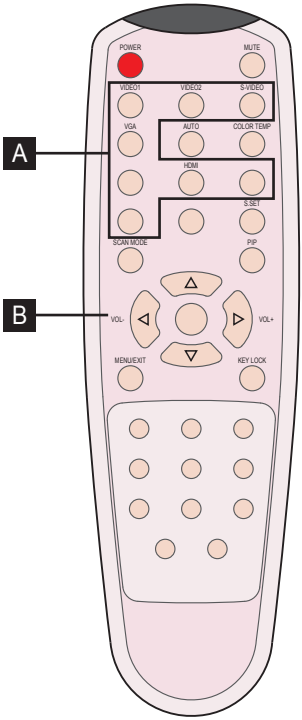
OSD Key	Function
EXIT MENU	Activates and exit the OSD
SOURCE	Select input source, and select the OSD menu
AUTO	Move the OSD menu and auto adjustment of RGB source
VOLUME	Decrease the level of volume and move the previous menu
SELECT	Increase the level of volume and select rhe OSD menu
POWER	Turns the power ON or OFF. There will be a few seconds delay before the display appears. The power LED (next to the power switch) lights with green when the power is turned ON. The power is turned off by pressing the power switch again and the power LED goes red.

CONNECTION



1. HDMI
   HDMI signal input
2. VGA
   VGA (PC RGB) signal input
3. VIDEO-1 IN / OUT
   VIDEO-1 signal input / looping out
4. VIDEO-2 IN / OUT
   VIDEO-2 signal input / looping out
5. AUDIO (VIDEO)
   Stereo audio input for VIDEO or S-VIDEO
6. S-VIDEO
   S-VIDEO signal input
7. AUDIO (PC)
   Stereo audio input for VGA
8. DC12V
   DC adapter input

REMOTE CONTROLLER



A MODE SELECT MENU

VIDEO1
Select VIDEO1 mode

VIDEO2
Select VIDEO2 mode

S-VIDEO
Select S-VIDEO mode

VGA (RGB)
Select VGA mode

HDMI
Select HDMI mode

B OSD CONTROL MENU

POWER
Turn ON / OFF the monitor

MUTE
Turn ON / OFF the sound

AUTO
Auto adjust position of the screen (in VGA mode)

COLOR TEMPERATURE
Select color temperature of the screen

SCAN MODE
Select the scan mode of the screen

VOL- / VOL+
Increase / Decrease the volume level

MENU / EXIT
Activate and exit the OSD menu

KEY LOCK
Locking the button (Prevent operation)

4. OSD MENU SETTING

4-1 INPUT Select

Inputs can be set to AV1, AV2, S-VIDEO, HDMI and PC mode.

1. Press the **SOURCE** button and then ▲ /▼ Button to move the source
2. Press the ► button to select the source
3. Press the **MENU/EXIT** Button to exit the INPUT menu.

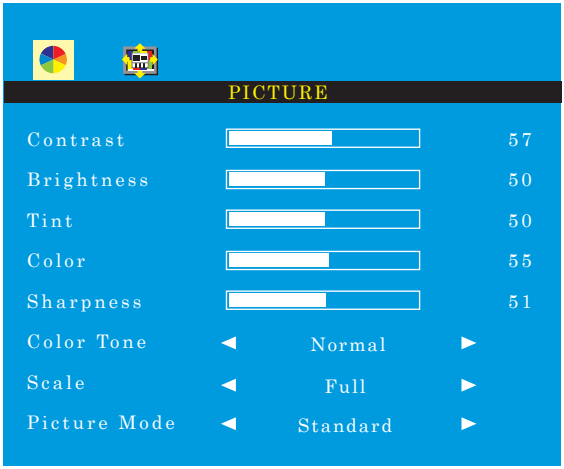
4-2 MENU Selection

1. Press the **MENU/EXIT** key to access the main menu.
2. Use the ▲ and ▼ arrow key to highlight a selection.
3. Press the ► **/SELECT** key to select an item
4. Use the ▲ and ▼ arrow key to highlight a selection.
5. Use the◄ and ► arrow key to adjust the setting on a selected item.

4-3 PICTURE MENU on OSD

4-3-1 INPUT SOURCE (AV1, AV2, S-VIDEO, HDMI)

OSD Menu is working on after it connects the source signal.

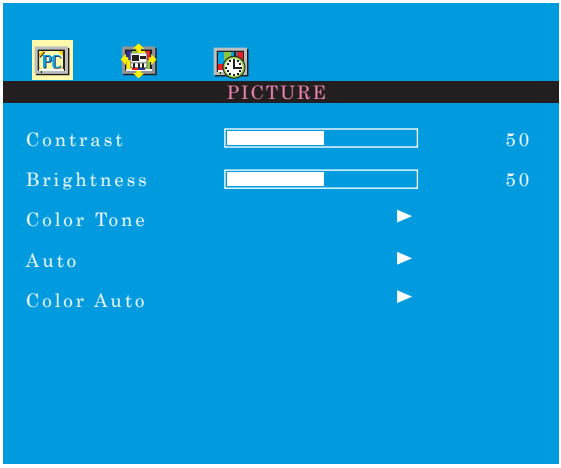


1. Press the **MENU/EXIT** Button and then ◄ / ► Button to select the **PICTURE** menu.
2. Press the ▲ or ▼ Button and then button to select the Button to select the adjustment item you need.
3. Press the ◄ or ► Button to active the item.

   *Ex) if you select the **BRIGHTNESS**, then the below picture appears on the bottom screen.*

4. Press the **MENU/EXIT** button to move to the previous menu.

4-3-2 INPUT SOURCE (PC Mode only)



1. Press the **MENU/EXIT** Button and then ◄ / ► Button to select the **PICTURE** menu.
2. Press the ▲ or ▼ Button and then button to select the Button to select the adjustment item you need.
3. Press the ◄ or ► Button to active the item.
4. '**Auto**' function is adjusting the location of screen by receiving the sync signal from PC.
5. '**Color Auto**' is adjusting the optimum color coordination automatically.
6. Press the **MENU/EXIT** button to move to the previous menu.

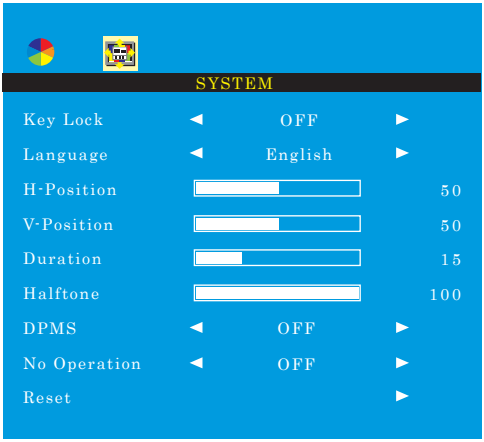
4-4 VOLUME MENU on OSD

AV1, AV2, S-VIDEO, PC, HDMI

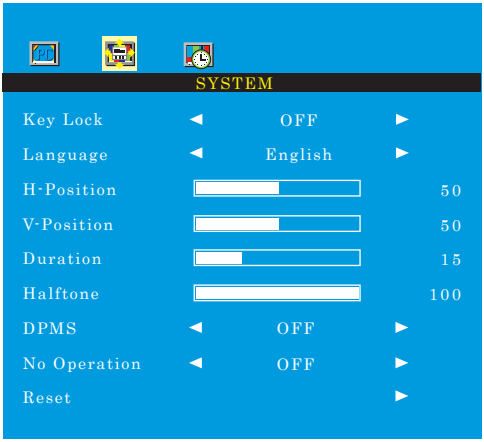
1. Press the ◄ / ► button for adjusting the volume up and down.

4-5 SYSTEM MENU on OSD

AV1, AV2, S-VIDEO, PC, HDMI



AV1, AV2, S-VIDEO, HDMI



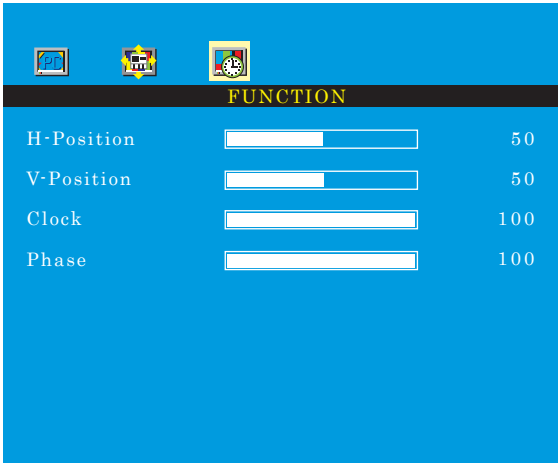
PC (VGA)

1. Press the **MENU/EXIT** Button and then ◄ / ► Button to select the **SYSTEM** menu.
2. Press the ▲ or ▼ Button and then button to select the Button to select the adjustment item you need.
3. Press the ◄ or ► Button to active the item.
4. '**Key Lock**' function is adjust the button lock option.

   Release the lock - Press **KEY LOCK** button on the remote controller.
   - Press AUTO & VOLUME button on the key pad.
5. '**Duration**' function is adjust the time to display OSD menu.
6. '**Halftone**' function is adjust the transparency of the OSD menu.
7. '**DPMS**' function is adjust the time to turn power off during no input signal.
8. '**No Operation**' function is adjust the time to turn power off during no input key button.

4-6 FUNCTION MENU on OSD

PC Mode only



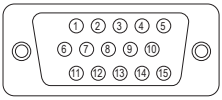
1. Press the **MENU/EXIT** Button and then ◄ / ► Button to select the **FUNCTION** menu.
2. Press the ▲ or ▼ Button and then button to select the Button to select the adjustment item you need.
3. Press the ◄ or ► Button to active the item.
4. Press the **MENU/EXIT** button to move to the previous menu.

5. FEATURE

General Features		VMC-17LCDM (208374)	VNC-19LEDM (208366)
Display	Screen Size	17.0 inches	19.0 inches
	Resolution	1280*1024 pixels	1280*1024 pixels
	Pixel Pitch	0.264*0.264 mm	0.293*0.293 mm
	Brightness	250 cd/m^2	250 cd/m^2
	Contrast Ratio	800:1	1000:1
	Aspect Ratio	5:4	5:4
	Viewing Angle (H/V)	170/160 degrees	178/178 degrees
	Display Color	16.7 million	16.7 million
	Response Time	5 ms	14 ms
	Video System	NTSC/PAL	NTSC/PAL
	Panel Life Time (hours)	50,000 hours	30,000 hours
Interface	Video In/Out (BNC Type)	2/2	2/2
	S-Video In	1	1
	VGA In (15Pin D-Sub)	1	1
	HDMI In	1	1
	Audio In (RCA Type)	1	1
	PC Stereo In	1	1
Audio	Built in Speakers	Y (1W*2)	Y (1W*2)
Transmitter	Remote Control	Y	Y
Special Features	Filter Type	3D Adaptive Deinterlacer	3D Adaptive Deinterlacer
	Noise reduction	Y	Y
	Auto source sequencing	Y	Y
	Multi Lingual Language	Eng, Spa, Fre, Ger, Ita	Eng, Spa, Fre, Ger, Ita
Dimension	Outline Dimension	353*482*73 mm	353*482*73 mm
Cabinet	Cabinet color	Black	Black
	Cabinet Material	Electro-Galvanized Steel	Electro-Galvanized Steel
Power	Consumption	< 32 watts	< 33 watts
	Electrical Ratings	AC 100~240 V (50/60Hz)	AC 100~240 V (50/60Hz)
		DC 12 V	DC 12 V
Circumstance	Operating Temperature	0~50 celsius	0~50 celsius
	Storage Temperature	-20~60 celsius	-20~60 celsius
Mounts	VESA Mounts Size	100*100 mm	100*100 mm
	U Factor Height Space	8U	8U
	Ceiling Mount	CMK-01	CMK-01
	Wall	WB-5, 10, 30, 31	WB-5, 10, 30, 31
	Rack Mount	Tiltable Rack Mount	Tiltable Rack Mount

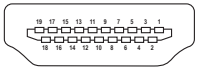
6. APPENDIX

6-1 D-SUB Connector PIN Assignment



PIN No.	PIN Name	PIN No.	PIN Name
1	RED VIDEO	9	NC
2	GREEN VIDEO	10	SIGNAL CABLE DETECT
3	BLUE VIDEO	11	GROUND
4	GROUND	12	SDA (for DDC)
5	GROUND	13	H-SYNC
6	RED GROUND	14	V-SYNC
7	GREEN GROUND	15	SCL (for DDC)
8	BLUE GROUND		

6-2 HDMI Type A PIN Assignment



PIN No.	PIN Name	PIN No.	PIN Name
1	TMDS Data2+	11	TMDS Clock Shield
2	TMDS Data2 Shield	12	TMDS Clock-
3	TMDS Data2-	13	CEC
4	TMDS Data1+	14	Reserved (HDMI 1.0-1.3c), HEC Data -
5	TMDS Data1 Shield	15	SCL (PC serial Clock for DDC)
6	TMDS Data1-	16	SDA (PC serial Clock for DDC)
7	TMDS Data0+	17	DDC/CEC/HEC Ground
8	TMDS Data0 Shield	18	+5V Power (max 50 mA)
9	TMDS Data0-	19	Hot Plug Detect (All Versions) and HEC Data +(Optional, HDMI 1.4+ with Ethernet)
10	TMDS Clock+		

7. TROUBLESHOOTING

* When the following troubles are occurred, follow the trouble shooting. Before contacting a service center.

Troubleshooting	Troubleshooting Tip
The screen doesn't show up	1. Make sure if the power supply is connected property
	2. Turn on the power.
	3. Select the input signal right for the connected port.
The screen is too light or to dark	Control the BRIGHTNESS
The screen size is not fit for the PC signal	Press the AUTO key among keys in the front. (It is used only in the PC signal)
The screen color shows strange in the PC signal	In the FUNCTION menu of OSD menu, perform the AUTOADJUST.

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