

M17VLED (17" CCTV LED Monitor) M19VLED (19" CCTV LED Monitor)

USER MANUAL



Speco Technologies 200 New Highway Amityville, NY 11701 800-645-5516 www.specotech.com



WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

CAUTION:



Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Important Information

IMPORTANT SAFEGUARDS

1. READ INSTRUCTIONS

All the safety and operating instructions should be read before the unit is operated.

2. RETAIN INSTRUCTIONS

The safety and operating instructions should be retained for future reference.

3. HEED WARNINGS

All warnings on the unit and in the operating instructions should be adhered to.

4. FOLLOW INSTRUCTIONS

All operating and usage instructions should be followed.

5. CLEANING

Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.

6. ATTACHMENTS

The manufacturer of this unit does not make any recommendations for attachments, as they may cause hazards.

7. WATER AND MOISTURE

Do not use this unit near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

8. ACCESSORIES

Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury, and serious damage to the unit. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

9. VENTILATION

Slots and openings at the rear cabinet and bottom are provided for ventilation, these are to ensure reliable operation of the unit, and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat source. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

10. POWER SOURCE

This unit should be operated only from the type of power source indicated on the rating plate. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.

11. POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit.

12. LIGHTNING

To protect your unit from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

13. POWER LINES

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall onto or against such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

14. OVERLOADING

Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.

15. OBJECT AND LIQUID ENTRY

Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

16. HEAT

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

17. CONNECTING

When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause a product damage. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

18. LCD

Do not press on or jolt the LCD panel. Doing so may cause the LCD panel glass to break and injury may occur. Should the LCD panel be broken and liquid leaks out, do not inhale or swallow it. Doing so may cause poisoning. If you have got it into your mouth, wash it out and consult your doctor. If your hands or clothes have touched it, wipe them with alcohol and a cleaning cloth and then wash them well.

Safety Precautions

Safety, Regulatory and Legal Information US Regulatory compliance statements

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the 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/AV technician for help.

Warning: Use only shielded signal cables to connect I/O devices to your LCD AV. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could viold your authority to operate the LCD AV.

FCC STATEMENT

This LCD AV complies with part 15 FCC Rules. Operation is subject to the following two conditions (1) This device may not cause harmful interference. (2) This LCD AV must accept and interference received, including interference that may cause undesired operation.

Canada Regulatory compliance statements

This LCD AV does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Safety Precautions

Federal Communications Commission (FCC) Statement

This Equipment has been tested and found to comply with the limits for a Class B 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.

 You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received including interference that may cause undesired operation

Table of Contents

Important Safeguards3Safety Precautions4Table of Contents6Components6Feature7Exploring Your New Monitor8Function Keys Instruction for AV9I/O Connection10OSD (On Screen Display)10AV/S-Video OSD-Image11AV/S-Video OSD-Audio12AV/S-Video OSD-Setup13VGA OSD-Audio15VGA OSD-Setup16Applicable Timing17	Warning	.2
Safety Precautions	Important Safeguards	.3
Table of Contents. 6 Components. 6 Feature. 7 Exploring Your New Monitor. 8 Function Keys Instruction for AV. 9 I/O Connection. 10 OSD (On Screen Display). 10 AV/S-Video OSD-Image. 11 AV/S-Video OSD-Audio. 12 AV/S-Video OSD-Setup. 13 VGA OSD-Audio. 15 VGA OSD-Setup. 16	Safety Precautions	.4
Feature		
Exploring Your New Monitor.8Function Keys Instruction for AV.9I/O Connection.10OSD (On Screen Display).10AV/S-Video OSD-Image.11AV/S-Video OSD-Audio.12AV/S-Video OSD-Setup.13VGA OSD-Image.14VGA OSD-Audio.15VGA OSD-Setup.16	Components	.6
Function Keys Instruction for AV. .9 I/O Connection. .10 OSD (On Screen Display). .10 AV/S-Video OSD-Image. .11 AV/S-Video OSD-Audio. .12 AV/S-Video OSD-Setup. .13 VGA OSD-Image. .14 VGA OSD-Audio. .15 VGA OSD-Setup. .16	Feature	.7
Function Keys Instruction for AV. .9 I/O Connection. .10 OSD (On Screen Display). .10 AV/S-Video OSD-Image. .11 AV/S-Video OSD-Audio. .12 AV/S-Video OSD-Setup. .13 VGA OSD-Image. .14 VGA OSD-Audio. .15 VGA OSD-Setup. .16	Exploring Your New Monitor	.8
OSD (On Screen Display)	Function Keys Instruction for AV	.9
AV/S-Video OSD-Image 11 AV/S-Video OSD-Audio 12 AV/S-Video OSD-Setup 13 VGA OSD-Image 14 VGA OSD-Audio 15 VGA OSD-Setup 16	I/O Connection1	10
AV/S-Video OSD-Image 11 AV/S-Video OSD-Audio 12 AV/S-Video OSD-Setup 13 VGA OSD-Image 14 VGA OSD-Audio 15 VGA OSD-Setup 16	OSD (On Screen Display)1	10
AV/S-VideoSD-Audio12AV/S-VideoOSD-Setup13VGAOSD-Image14VGAOSD-Audio15VGAOSD-Setup16		
VGA OSD-Image		
VGA OSD-Audio	AV/S-Video OSD-Setup1	13
VGA OSD-Audio	VGA OSD-Image	14
I		
Applicable Timing	VGA OSD-Setup	16
	Applicable Timing1	17
Specification	Specification	18
Wall Mountable19		
Dimension	Dimension	20

LCD Color Monitor	x1
Accessories	
(a) Power cord	x1
(b) User Manual	x1
(c) VGA Cord	x1
(d) Mounting base	x1
(e) PC audio cord	x1
(f) Adaptor	x1

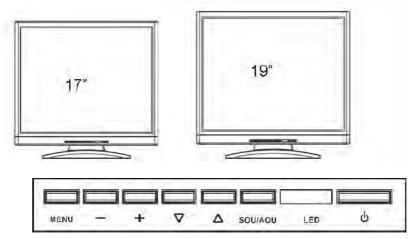
Feature

- ★ Bright, flick-free image
- ★ Accurate color processing
- ★ Multi-Scan support
- ★ Built-in internal amplifier and speakers
- ★ 1280*1024 SVGA support for computer input (17"/19")

Exploring Your New Monitor

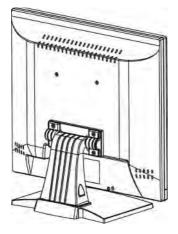
You can operate your monitor by using the buttons on the front panel.

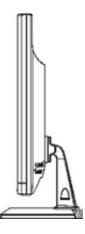
Front Panel



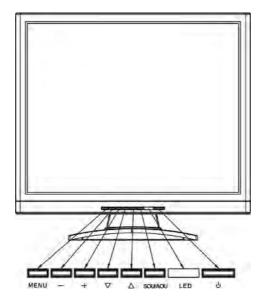
Back

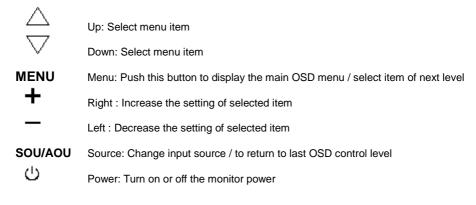






Function Keys Instruction for AV





I/O Connection:

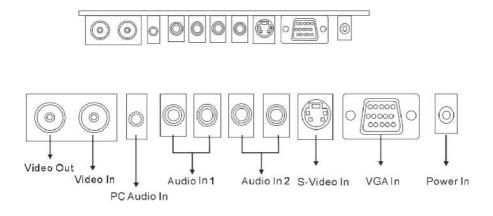
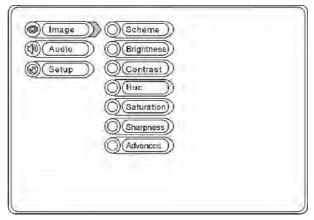


Illustration :

- ●Video Out is present "AV video out"
- ●Video In is present "AV video in"
- PC Audio In is present "PC audio in"
- Audio In 1 is present "AV audio in"
- Audio In 2 is present "S-Video audio in"
- ●S-Video In is present "S-Video video in"
- VGA In is present "PC VGA signal in"
- Power In is present "Power in"

AV / S-Video OSD - Image



Scheme:	Normal / Vivid / Cinema
Brightness:	Picture brightness adjustment
	Min. ~ Max.:0~100 / Default:70
Contrast:	Picture Contrast adjustment
	Min. ~ Max.:0~100 / Default:80
Hue:	To adjust the color tint value
	Min. ~ Max.:0~100 / Default:50
Saturation:	Adjusts the saturation of the color
	Min. ~ Max.:0~100 / Default:50
Sharpness:	Sets the desired sharpening enhancement to the picture
	Min. ~ Max.:0~23 / Default:12

AV / S-Video OSD - Audio

() (Image) () (Audio) () (Setup)	O Main Audio O Volume O Balance	
11		

Volume:	Controls built-in speakers' output volumes
	Min. ~ Max.:0~29 / Default:20
Balance:	Adjusts the volume between speakers
	Min. ~ Max.:0~20 / Default:10
Mute:	To disable the audio function

AV / S-Video OSD – Setup

() (Image		
(Audio) O Colar Temp	
(Setup		
-	O (Source Display)	
	(Power On CH)	
	() Scan	
	() (Factory Reset	

Auto Source:	The monitor will auto detect the input source when the
	signal is not present
Color Temp:	Selects color temperature of either 6500°K or 9300°K
Key Lock:	The Key-Lock function is provided to prevent tempering.
	To unlock, press "+" and "MENU" button together
Source Display:	This function is to allow the channel title to be displayed on
	the monitor
Power On CH:	This function is to assign a specific input source when turn
	the monitor ON None / AV / S-VIDEO / VGA
Language:	English / Dutch / Spanish / Italian / German / French
Scan:	Full / Under / Over
Factory Reset:	Restore all settings to Factory default

VGA OSD - Image

(Image))		
(Audio)	Brightness	
() (Setup	(Contrast)	
	(minus)	
	()(Advances))	

Brightness:Picture brightness adjustmentMin. ~ Max.:0~100/ Default:70Contrast:Picture contrast adjustmentMin. ~ Max.:0~100 / Default:80

Advanced:

Auto Adjust: VGA signal auto detection and adjustment

Image Pos: Image position adjustment include H. V.

- Phase: It adjusts the sampling phase across one pixel time. When the phase is not adjusted properly, the picture will be unclear Therefore this value should be carefully adjusted Note: improper adjustment will cause image failure
- Clock: It adjusts the numbers of the pixel clock across one line time
 Therefore it can affect the picture position and size
 Note: improper adjustment will cause image failure

VGA OSD - Audio

() (Image) () (Audio) () (Setup)	(Main Audio) (Volume) (Balance) (Mute)	

Volume:	Controls built-in speakers' output volumes
	Min. ~ Max.:0~29 / Default:20
Balance:	Adjusts the volume between speakers
	Min. ~ Max.:0~20 / Default:10
Mute:	To disable the audio function

VGA OSD - Setup

(Image)) (O) (Auto Source))	
Audio		
() Setup	() (Rey Lock	
	O (Source Display)	
	() (Power On CH)	
	() (Language))	

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Power On CH:	This function is to assign a specific input source when turn
	the monitor ON None / AV / S-VIDEO / VGA
Language:	English
Factory Reset:	Restore all settings to Factory default

Applicable Timing

VGA Timing

There are a total of 11 timing modes that can be saved in memory by FIFO detecting architecture. VGA Support Timing

Mode	No.	Resolution	H Freq. (kHz)	V Freq. (Hz)	Pixel clock (MHz)	17" 1280*1024 75Hz	19" 1280*1024 75Hz
VGA	104	640x480@60	31.469	59.940	25.175	•	~
	105	640x480@72	37.861	72.809	31.500	×	~
	106	640x480@75	37.500	75.000	31.500	v	*
SVGA	108	800x600@60	37.879	60.317	40.000	÷	•
	109	800x600@72	48.077	72.188	50.000		•
	110	800x600@75	46.875	75.000	49.500	×	·
XGA	111	1024x768@60	48.363	60.004	65.000	÷	•
	112	1024x768@70	56.576	70.069	75.000		•
	113	1024x768@75	60.023	75.029	78.750	·	•
SXGA	114	1280x1024@60	63.980	60.000	108.000	·	•
	115	1280x1024@75	79.976	75.025	135.000	÷	•

PC RGB Input

Input Signal	Analog RGB 0.7Vp-p	
Input Impedance	75 Ohm ± 2%	
Polarity	Positive, Negative	
Amplitude	0 ~0.7 ± 0.05Vp	
Multi-mode Supported	Horizontal Frequency: 30~80KHz	
	Vertical Frequency: 50~75Hz	

Power Supply

Input Voltage	100~240VAC, 50/60Hz
Output Voltage	+12V DC, 5A

Power Consumption

Power Management	On: 25W max. (Green LED)	
	Off: 2.5W max. (Red LED)	

Environment

Operation Condition	Temperature	0°C to 50°C / 32°F to 122°F
	Relative Humidity	20% to 85%
Storage Condition	Temperature	-10°C to 60°C / 14°F to 140°F
	Relative Humidity	5% to 85%

Specification

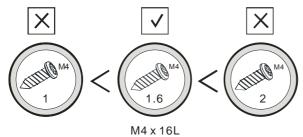
Model	17"	19"	
Display Resolution (Panel)	1280 x 1024@75Hz	1280 x 1024@75Hz	
Active Area (mm)	337.920 (H) x 270.336 (V)mm	376.32(H) x 301.056 (V)mm	
Pixel Pitch	0.264mm	0.294mm	
LCD Profile Ratio	5:4		
Display Color	16.7M colors		
Brightness (Central)	250 cd/m [*] Typ.		
Contrast Ratio	800 : 1 typ.	1000 : 1 typ.	
	Left 80°/Right 80°	Left 85°/Right 85°/	
Viewing Angle	Up80°/Down 80°	Up 85°/Down 85°	
Response Time	5ms		
Input Voltage	96-256Vac, 60Hz/50Hz		
Video Input	D-SUB 15 pin x 1, Video In x 1 (BNC), S-Video In x 1		
Video Output	Video loop Out x 1 (BNC)		
Audio Input	Audio In x 2, PC-Audio In x 1		
Speaker	aker 1W + 1W		
Power Consumption	Power Consumption 25W		
Operation Temperature	0 to 50°℃ (32 to 122°F)		
Storage Temperature	-10 to 60°C (14 to 140°F)		

(*1) The brightness spec. Is from panel spec.

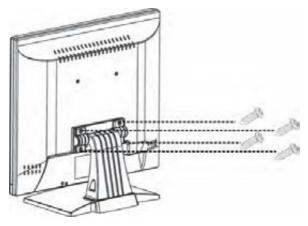
(*2) It is not guaranteed for all the specified range.

Design and Specifications are subject to change without notice.

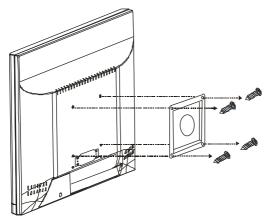
Wall Mountable



User please use the correct screw type when installation.



The desktop bracket and mount type bracket can use the same screw



Dimension



