

## LCD with LED Backlight and Rugged Chassis

The VLM-LEDM is a high quality LCD Monitor housed in an industrial chassis suitable for any surveillance application.

The VLM-LEDM series is the first 4:3 aspect ratio Surveillance monitor with LED backlighting! This aspect ratio matches that of the vast majority of cameras used, filling up the screen 100%. LED backlighting provides an incredible number of advantages over CFL backlit LCD monitors. You'll get more vivid and accurate color saturation. Black levels and contrast ratio up to 10,000:1 provide fatigue-free viewing and added realism.

The monitor has all the inputs you'll need in most security applications; Dual BNC Video, VGA and HDMI. Inputs can be easily selected by the front panel, unlike most monitors which have access buried deep within the OSD. And, it has audio input with a built-in speaker.

VESA mount compatible and optional rack mount supports unlimited mounting possibilities. The integrated tilt stand positions flush to the rear for easy stowing and transport. The all-steel chassis protects the LCD panel from damage and assures long operational life. There is no better Monitor for Surveillance than the VLM-LEDM series!



## Features

- Available 17" or 19" screen sizes
- 4:3 aspect ratio, 1280x1024 resolution
- 16.7 million color palette
- Wide 170H/160V degree viewing angles
- 5ms response time
- High performance 3D Comb Filter/De-interlace
- Dual Composite + VGA & HDMI inputs
- Looping BNC outputs
- VESA compatible for easy wall/articulating arm mounting

## LED Features

- LED backlighting for superior image quality
- 10,000:1 Contrast Ratio
- Exceptional Black level
- Accurate and Balanced Color saturation
- 40% lower power consumption
- Environmentally friendly; no mercury
- Multi-source LED arrays provide fail safe operation



**Standard Filtering**

The motion adaptive 3D comb filter minimizes visual artifacts common with composite video monitors. Unlike lesser displays, you'll see sharp edges without color fringing.



**3D Comb Filter**



**No Noise Reduction**

All image sensors display noise under low light conditions. 2DNR circuits will reduce visible noise, but suffer from night time blur. 3D DNR minimizes both noise and blurring, providing clear low light images even with moving objects.



**3D Noise Reduction**



**Interlaced**

De-interlacing converts the composite video signal into progressive scan video, providing clear images with moving objects.



**De-Interlace**



# VLM-LEDM SPECIFICATIONS

General	
Screen Size	17" or 19" Diagonal
Maximum Resolution	1280x1024
Brightness	300cd/m <sup>2</sup>
Pixel Type	Active Matrix TFT
Pixel Pitch	0.264(H) x 0.264(V)
Display Colors	16.7 million
Backlight	LED, Multi-array
Contrast Ratio	10,000:1
Aspect Ratio	4:3
Viewing Angle (H/V)	170° / 160°
Response Time	5ms
Video System	NTSC / PAL
Interface	
Video In/Out	2 BNC input, 2 BNC output
VGA Input	15 pin D-Sub
HDMI Input	HDMI 1.0 Type A
Audio Input	1 RCA type 1 1/8" mini phone jack
Audio Output	1 RCA type
Speakers	2 built-in speakers w/ 1.5W output
Special Features	
3D Comb Filter	Yes
3D De-interlace	Yes
Multi-Language	English, German, French, Italian, Spanish, Russian, Turkish, Japanese & Polish
Key Lock Function	Enable/Disable (Locks out front panel buttons)
Other	
Accessory Mounting	VESA, Standard 75mm x 75mm
Cabinet Finish	Black
Stand	Integrated Tilt brace (folds flush)
Dimensions (WxHxD, mm)	379 x 324 x 378 (17" model) 417 x 354 x 408 (19" model)
Box Dimensions (mm)	500 x 160 x 570
Net Weight	7 kg (17" model) 8 kg (19" model)
Power Requirements	12VDC, 15W (17" model) 12VDC, 20W (19" model)
PSU	100-240VAC, included
Regulatory Certifications	FCC, DOC, CE, RoHS

### Dimensions

**17" Model**  
 Width: 378.0 mm  
 Height: 331.5 mm  
 Depth: 72.0 mm

**19" Model**  
 Width: 415.5 mm  
 Height: 359.0 mm  
 Depth: 72.0 mm

Multiple inputs include Dual BNC for Composite Video, VGA, HDMI and audio. All easily selectable via front panel.

## VLM-LEDM Series Matrix

Model	Description
VLM-17LEDM	17" LCD Monitor w/ LED Backlighting; Metal Chassis
VLM-19LEDM	19" LCD Monitor w/ LED Backlighting; Metal Chassis

## VLM-LED Variants

Model	Description
VLM-17LED	17" LCD Monitor w/ LED Backlighting; Standard Chassis
VLM-19LED	19" LCD Monitor w/ LED Backlighting; Standard Chassis

## VLM-LEDM Optional Accessories

Model	Description
Inquire	Wall mount
Inquire	Ceiling mount
Inquire	Rack mount

