

# Roadway Sensors

## Rack Mount LCD Monitor Drawer

The Iteris rack mount LCD monitor installs into traffic cabinets providing rapid or permanent access to a monitor for viewing and configuration purposes. Its compact and sleek design uses minimum space within the traffic cabinet while still retaining a robust construction for extended use.

The 19-inch rack mount, 1U high drawer assembly easily installs into industry standards racking. The drawer contains a 15-inch industrial grade TFT LCD monitor that folds flat when not in use and is hinged to allow optimum viewing. The drawer is lockable to prevent unauthorized access.

The LCD monitor offers high contrast and brightness for viewing on bright days without loss of clarity and resolution. The monitor is capable of supporting computer resolutions up to 1024 x 768 pixels as well as displaying video signals meeting NTSC or PAL composite video and S-video standards.

## Installation and Configuration

The rack mount LCD monitor installs simply and quickly into a standard 19-inch rack. The front assembly includes brackets and fixtures that allow attachment to vertical rails. Connection to power and video inputs are located on the rear panel.

The monitor and setup adjustments are performed using On Screen Display (OSD) controls and buttons located on the monitor panel's front edge. Brightness, contrast, phase/clock, image color and image positioning adjustment control are available. The monitor offers a high contrast ratio of 400:1 and a brightness of 450 cd/m<sup>2</sup> for optimal use in traffic cabinet situations.



## Features

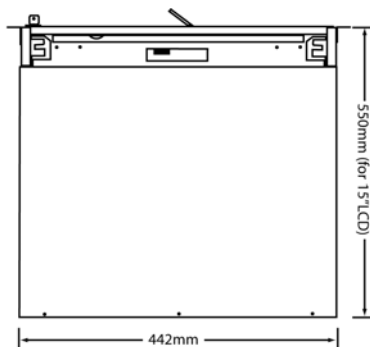
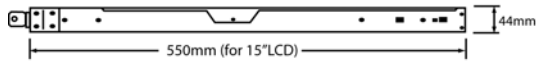
- Slim 1U rack mount drawer
- Bright and clear 15-inch LCD monitor
- Lockable drawer
- VGA, S-video and composite video inputs
- 50,000 hours LCD MTBF

## Benefits

- Provides immediate access to video detection equipment viewing without need to carry portable monitor or laptop pc.
- Simple to use interface reduces training time and improves productivity levels.
- Expandable and modular system allows for optimal configuration that helps to reduce cost while preserving room for incremental growth.



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## Typical Applications

- Intersection flow control
- Ramp metering
- Traffic data collection
- Bicycle detection
- Traveler information system input
- Temporary and construction zone vehicle detection replacement
- Moving or wrong way motion detection.
- Automatic Incident Detection (AID) in tunnels and on bridges.

## Vantage Family Products

- Machine Vision Processor modules
- Input and Output Extension modules
- Communications modules
- Flexible and expandable detector rack systems
- Cameras optimized for video detection applications

## Technical Specifications

LCD Screen	LCD Manufacturer	Samsung
	LCD Origin	South Korea
	Display Size	15" Diagonal
	LCD Type	Samsung Grade A Industrial TFT LCD Panel
	Resolution	1,024 x 768 @ 60 / 70 / 75Hz
	Display color	16.2 Million
	Brightness	450 cd/m2
	Contrast Ratio	400:1
	Response Time	Tr=5/ Tf=20 ms
	Pixel Pitch	0.297 (H) x 0.297 (V) mm
	Viewing Angle	140 degree (horizontal)/115 degree (vertical)
	OSD Control	Brightness, Contrast, Phase & Clock, Color, H & V Position, Auto-tune, Recall & Language
	Signal Input	VGA, Analog RGB S-video & Composite, NTSC or PAL
	LCD MTBF	50,000 hrs
Power		110 or 220 VAC at 50 or 60 Hz
Regulatory Approval	EMC Approved	FCC, CE and VCCI
	Safety Approval	UL, CE
Rear I/O Connector		VGA port, HD15 female, s-video, composite video
Environment		
	Temperature	0 to 50 Degree Celsius (Operation) -25 to 65 Degree Celsius (Storage)
	Relative Humidity	90%, non condensing
	Shock	50G peak acceleration (11ms, half sine wave)
	Vibration	58~500Hz/ 0.98G (11min/ cycle)
Mechanical	Dimension	44.2 x 4.45 x 55 cm / 17.4 x 1.75 x 21.6 in (WxHxD)
	Weight	Approximately 10 kg/22 lb
Package Information	Carton Box	60 x 71 x 18 cm / 23.6 x 7.1 x 27.9 in (WxHxD)
	Weight	Approximately 15 kg/33 lb



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