Public View 20.1" LCD Monitor with Integrated Color WDR Camera

General Operation

The M201 PVM series monitor is a high brightness and contrast TFT LCD monitor with a built-in high-resolution Wide Dynamic Range (WDR) color CCD camera with integrated auto-iris vari-focal lens. The monitor includes programmable Video Motion Detection (VMD) capability for the internal camera and a second video input for an external camera or other video source. The internal VMD allows the monitor view to switch to the internal camera when motion occurs. The VMD sensitivity, capture time and dwell time may be individually programmed.

The monitor offers a clean aesthetic appearance with no visible operator controls. The monitor and camera programming is accomplished using the supplied IR Remote Control. A built-in selectable Light Sensor permits the monitor to enter a "sleep" mode when ambient lighting is lowered, thus providing extended LCD backlight life.

Three video outputs are provided; one loop-through video output for the internal camera and two auxiliary outputs each selectable between the internal or external video input as additional loop-through video connections.

The wide dynamic range (WDR) camera model provides increased visibility when sources of high illumination are located directly behind a scene of lower illumination, such as a retail front entrance.

The monitor contains two powerful 2.5W audio amplifiers and speakers for stereo line-level audio input.

The monitor features a 100mm VESA mount connection point for use with various LCD mounts (see accessories). Camera and power wiring is concealed within a removable rear access cover for aesthetic purposes. The internal camera's field of view, focus and iris may be easily adjusted by removing the camera assembly from the rear of the monitor. The monitor provides external 12VDC power for supplying power to a second camera.

Features

- Compact attractive look for high visibility retail applications with no visible controls
- Built-in high resolution color WDR camera with 4-9mm VF AI lens concealed in front bezel
- Wireless remote control (included)
- External 2nd camera input
- High Brightness and Contrast TFT-LCD Color Monitor
- Video Motion Detection (VMD) capability (internal camera)
- Built-in Light Sensor for sleep mode
- Three video output connectors (Internal camera loop-out, two outputs programmable)
- Concealed wiring with easy access cover
- Built-in 12VDC power for external camera or optional video server
- Six language selections
- Case Color: solid white

Ordering Guide

SCN#	Item
M201SB-WDR	20.1" LCD PVM with integrated high resolution color WDR camera, white case

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Specifications

Monitor

Display Source	Built-in Camera Video + External Camera Video
LCD Panel	20.1 inches (510.54mm) TFT LCD Panel
Active Display Area	408.0 mm (H) x 306.0 mm (V)
Pixel Format	640 (H) x 480 (V), RGB vertical stripe
Pixel Pitch	0.6375mm x 0.6375mm
Color Depths	8 Bit / 16.7M Colors
Contrast Ratio	400 : 1 (Typical)
Brightness	450 cd/m^2 (Typical)
Viewing Angles (L/R/U/D)	85 / 85 / 85 / 85 (Typical)
Light Source / Lifetime	6CCFL / 50,000Hrs (Minimum)
Response Time	30 ms (Typical)

Video Integrated Camera (WDR Camera)

Video Mode	NTSC
Camera Video Input Level	1.0Vp-p @ 75 ohm
CCD Image Sensor	1/3" Sony Super HAD CCD
Resolution	470 TVL (WDR: 480 TVL)
Sensitivity	1 Lux (F2.0, 50 IRE) (WDR: CLR 0.004 Lux)
S/N Ratio	50dB
Auto Iris	Yes
Auto White Balance	Yes
Electronic Shutter	1/60 ~ 1/100,000 sec
VF Lens	4 – 9mm

Video (External Input)

Camera Video Input Connector	BNC x 1
Video Mode	NTSC / PAL
Video Input Level	1.0Vp-p @ 75 ohm
Video Output Connector	BNC x 3
Video Output Level	1.0Vp-p @ 75 ohm

Audio

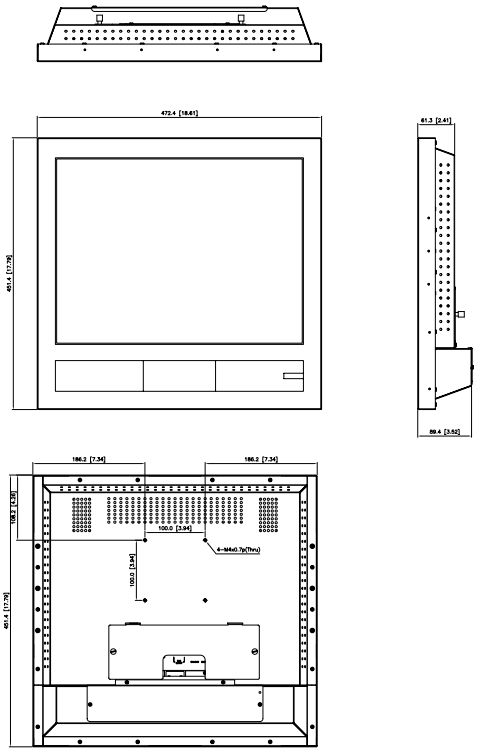
Audio Input Level	Line level
Audio Input Connector	RCA x 2
Audio Amplifier	2.5 W x 2

General

DC Output	DC 12V / 500mA (for external camera or video server)
Power Requirement	DC 12V / 4.9A
Power Consumption	60 Watts
Operating Temperature	32°F - 104°F (0°C ~ 40°C)
Case Material	Metal
Dimensions (WxHxD)	20.1" x 17" x 3.6" (510mm x 431mm x 93mm)
Weight	19.18 lbs (8.7 kg)
Accessories	DC Adapter, Power Cord, Manual, Remote Control Extension Cable for Power (option)

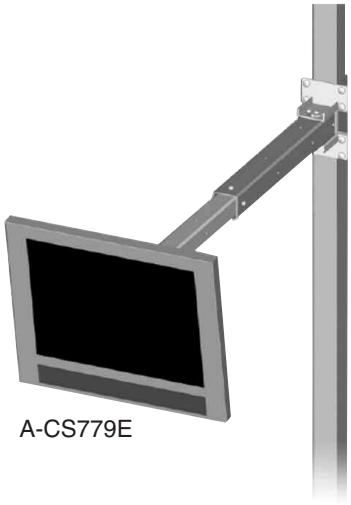
Specifications subject to change without notice.

Dimensions



Optional Mounts

A-CS777



A-CS779E

A-CSW775E (white)
A-CSB775E (black)

A-CSW780 A-CSB780

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