PVMPro Series
Network LCD Public View Monitors

Features

- Text Generation and Commercial Advertising
- Client Software for Multiple PVM Programming
- Program by Monitor, Advertising, or Time
- File (Images, Video Advertising) Transfer using:
  - IP Addressable Network (LAN)
  - Compact Flash Slot
  - 2 USB Ports
- Ultra-Bright TFT-LCD with Excellent Color Reproduction
- Color Camera with 4-9mm Vari-Focal, Auto-Iris Lens
- Built-In Motion Detection
- Built-In Light Sensor for Sleep Mode Operation
- Multiple Viewing Formats with scalable PIP, PBP Display
- On-Screen Menu Supporting Six Languages
- Front Facing Speakers with Built-In 5W Stereo Audio Amplifier
- External stereo audio inputs
- Stereo audio output (line level - 1/4" Jack)
- 12VDC Output for External Camera
- Video Output Connectors (3) (2) looping video input & (1) Internal-camera output
- Long-Life Backlight
- Rugged Metal Case
- Includes IR Remote Control

Product Summary

The Network Monitor (NM) PVM series are high brightness and contrast 32" and 20.1" TFT LCD monitors designed specifically for retail video security and advertising. The monitor series support connection to IP supported networks enabling a central operator to control advertising to the monitor using video/audio files, still imagery (such as JPEG files) and even scrolling banner text for multiple PVMs within a retail location. IP addressing allows each monitor to be controlled individually with its unique message.

Client software allows programming of individual settings and uploading of the type of advertising message sent to the monitor. Various advertising methods can be scheduled to occur throughout the day for maximum exposure of different messages or product advertising. The monitor contains a hard-disk drive (HDD) for storage of the video, audio and image files.

The 32" monitor supports multiple video/audio source inputs, including 2-composite (internal camera or external source), S-VHS, Component, PC-analog (RGB), PC-digital (DVI), and 2-stereo audio inputs. The 20.1" monitor supports 2-composite video inputs (internal camera or external source) and 1-stereo audio input.

The monitor includes one high resolution (480TVL) color camera with an integrated 4-9mm vari-focal, auto-iris lens. The camera video is displayed on the monitor in one of several screen formats including two programmable picture-in-picture (PIP) and the two video inputs are looped-out for use as a security system inputs to a DVR.

Programmable Video-Motion-Detection (VMD) is provided for the two video inputs (internal camera or external source) and allow the camera or source video to be displayed in user defined screen formats on the monitor when motion is detected within the camera's field-of-view.

The monitor series allows for USB and Compact Flash (CF) multi-media insertion and an infrared (IR) remote control is included for monitor programming if the IP network option is not used.

The monitors employ an ambient light sensor and a 'power-savings mode' allowing the monitor LCD back-light to turn off when ambient lighting is reduced.

A powerful 5 watt stereo amplifier provides full-sound to the two front-mounted speakers for optimum audio coverage.

The monitor requires features a universal power input from 100VAC ~ 230VAC (50/60Hz) MAINS supply.

Ordering Guide:

SCN#	Item
NM201S	20.1" PVM Pro Network LCD monitor, 4x3 aspect ratio, one high resolution color camera, IP addressable
NM321W	32" PVM Pro Network LCD monitor, 16x9 aspect ratio, one high resolution color camera, IP addressable

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Specifications

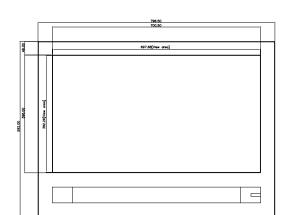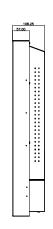|		NM201S	NM321W
LCD			
Size		20.1 inches	32 inches
Pixel Format		640 x 480 x RGB	1366 x 768 x RGB
Brightness (Typical)		450 cd/m2	500 cd/m2
Contrast Ratio (Typical)		800 : 1	500 : 1
Viewing Angle H/V		178 / 178	176 / 176
Color Depth		8bit / 16.7M Colors	8bit / 16.7M Colors
Light Source / Lifetime		CCFL	20 EEFLs / 50,000 Hrs
Response Time (Typical)		25 ms	18 ms
Video			
Composite	System	NTSC / PAL	NTSC / PAL
	Level	1Vp-p @ 75 ohm	1Vp-p @ 75 ohm
	Input	Internal Camera x 1 or 2	Internal Camera x 1 or 2
		External Camera x 1 or 2	External Camera x 1 or 2
	Output	Internal Camera x 1 or 2	Internal Camera x 1 or 2
		External Camera x 1 or 2	External Camera x 1 or 2
	Connector	BNC	BNC
S-Video	System		NTSC / PAL
	Level		1Vp-p (L) , 0.3(C)Vp-p @ 75ohm
	Input		4pin Mini-DIN X 1
Component	Mode		1080p, 1080i, 720p, 480p, 480i
	Signal		YPbPr (SOY)
	Level		1Vp-p(Y), 0.3Vp-p(Pb & Pr) @ 75 ohm
	Connector		3-terminal RCA x 1
PC (Analog)	Mode		1366 x 768 @ 75Hz Max
	Signal		Analog RGB & H/V Sync.
	Level		0.715Vp-p (RGB) & TTL (Sync.)
	Connector		15 Pin D-SUB
	Plug & Play		DDC 2B
PC (DVI)	Mode		1366 x 768 @ 75Hz Max
	Connector		DVI-I
	Plug & Play		DDC 2B
Audio	Level	Line Level	Line Level
	Input	2-Terminal RCA x 1	2-Terminal RCA x 2
	Output	Phone Jack x 1	Phone Jack x 1
	Amplifier	5W x 2	5W x 2
Storage		CF Card Slot x 1	CF Card Slot
		40GB x 1	40GB x 1
Peripheral Interface			
	Ethernet	RJ45 x 1	RJ45 x 1
	USB 2.0 Host	x 1	x 1
	USB 2.0 Device	x 1	x 1
Playback	Video Decoding	MPEG-1, MPEG-2 MP@HL	MPEG-1, MPEG-2 MP@HL
		MPEG-4.2 ASP@L5(720p),WMV9	MPEG-4.2 ASP@L5(720p),WMV9
		JPEG	JPEG
	Audio Decoding	MPEG-1 Layers 1, II and III,	MPEG-1 Layers 1, II and III,
		MPEG-4 Low Complexity AAC	MPEG-4 Low Complexity AAC
Camera	No. of Camera	1 or 2	1 or 2
(Internal)	CCD	1/3"	1/3"
	Resolution	470 TVL	470 TVL
	Sensitivity	1 Lux (F2.0, 50IRE)	1 Lux (F2.0, 50IRE)
	S/N Ratio	50 dB	50 dB
	Auto Iris	Yes	Yes
	AWB	Yes	Yes
	Electronic Shutter	1/60 ~ 1/100,000	1/60 ~ 1/100,000
	VF Lens	4 - 9 mm (F2.0 ~ 2.8)	4 - 9 mm (F2.0 ~ 2.8)
Light Sensor (Power save mode)		Yes	Yes
Text Overlay		Yes	Yes
Power Requirement		AC 100 ~ 230V (50/60 Hz)	AC 100 ~ 230V (50/60 Hz)
Power Consumption		TBD	TBD
Operating Temperature		0˚ ~ 40˚F	0˚ ~ 40˚F
Storage Temperature		0˚ ~ 50˚F	0˚ ~ 50˚F
Dimension		TBD	TBD
Weight		TBD	TBD

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