

# SDM-N50/SDM-N50PS

Multiscan® N50 and N50PS Computer Displays

**SONY**



SDM-N50PS



Technologically  
advanced LCD  
display that provides  
superior images with  
outstanding onscreen  
colors all in a sleek,  
space-saving design.

- 15.0" XGA TFT active matrix LCD panel – Flat-screen display slims to less than 1/2" at its edge to free up precious desktop space.
- SDM-N50
  - Low profile, easy tilt design– Unique bi-flex arm easily adjusts to virtually any angle for maximum viewing comfort.
  - Light sensor – Continually monitors the level of ambient light and adjusts brightness to its optimum level.
  - User sensor - Automatically places the display into power save mode whenever a user steps away.
  - Stereo speakers – Unique in-base design delivers exceptional audio thanks to bass boost and wide stereo processing.
- SDM-N50PS
  - Photostand design – Unique tilt stand places panel directly on desk like a photo frame.
  - Pivot capable – With supplied software, the panel can be used in either portrait or landscape mode.
  - Wall mountable – Mounting slots on the back allow hanging of the panel directly on a wall like a picture.
- Gigabit Video Interface (GVIF™) technology – Reduces desktop clutter by using only one cable to carry the audio, video and power between the display panel and the media engine, which can be tucked away out of sight.
- Advanced Digital FlexRes™ – Exclusive Sony chipset design guarantees a crisp, clear image no matter what the screen resolution.
- Advanced Auto ImageSet™ – Automatic adjustment of image position, phase, and pitch to reduce set-up time.



**displays by sony**

# SDM-N50/SDM-N50PS

## Sony's most compact LCD display

The Sony Multiscan N50 and N50PS displays boast a spacious 15.0" LCD panel in an extremely small footprint. Its XGA TFT active matrix LCD screen delivers incredibly sharp images with breathtakingly accurate onscreen colors.

Utilizing Sony's Digital Multiscan® and Digital FlexRes™ technologies, the N50 and N50PS display a digitally correct pixel positioning to create smoother, clearer and sharper images and text at variable screen resolution.

The Multiscan N50 and N50PS displays measure a mere 1/2" at its edge for an ultra sleek profile. A single unobtrusive cable carries all audio, video, and power to the display, eliminating the tangle of multiple cords and further reducing clutter.

Extremely easy to configure, the N50 and N50PS feature Auto ImageSet™ technology which adjusts image position, phase and pitch. A pair of stereo speakers built right into the base of the Multiscan N50, completes this compact display solution.

### *Ultra Slim LCD*

Designed with the Corporate Executive in mind, the Multiscan N50 and N50PS LCD displays are the ultimate desktop accessories. Measuring a mere 1/2" at its edge, this technologically advanced LCD display provides incredibly crisp images with vibrant and true to life onscreen colors - all in an ultra sleek, space saving design



### *Double Input*

For those users who truly multitask, the Multiscan N50 and N50PS displays feature dual HD15 inputs for connecting to two separate computer systems at once. A quick push of a button on the front of the displays seamlessly switches between the two computers and instantly changes the displayed image.



### *Media Engine*

The self contained Media Engine unit houses all the circuitry for the N50 and N50PS LCD Displays including audio, video and power. This all in one component can easily be stashed out of sight just about anywhere, such as under a desk, behind a filing cabinet, or in a desk drawer, cutting down on unnecessary desktop clutter.



SDM-N50 (low profile design)



SDM-N50PS (photostand in landscape position)

## Sensor

The Multiscan N50 display features an energy saving motion sensor that powers down the unit 20 seconds after a person steps away from the display. The screen instantly turns on again once the user returns. A built-in light sensor saves on eyestrain by automatically optimizing the picture's brightness according to the current level of ambient light.



## Photostand

The Multiscan N50PS display comes in a photostand design, which can be used in a portrait or landscape mode. The screen can be tilted from 20 to 40 degrees for the correct viewing angle.



SDM-N50PS  
(photostand in portrait position)

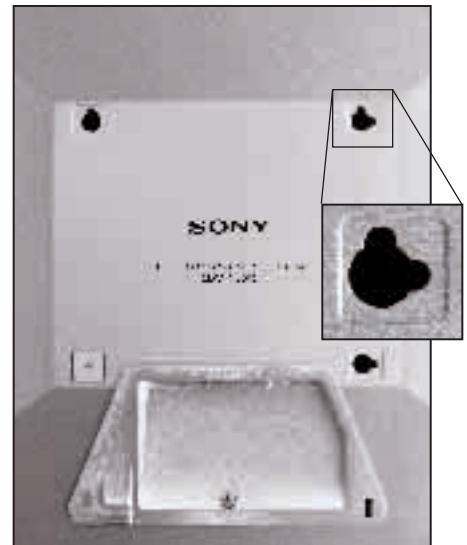
## Stereo Speakers

A pair of quarter sized speakers, built unobtrusively into the base of the N50 LCD display, deliver exceptional stereo sound. Sony's sound system with built-in bass boost creates powerful audio, while wide stereo processing technology simulates stereo placement of these amazing 2Wx2W in-base speakers



## Wall Mountable

A unique feature of the Multiscan N50PS is the ability to mount the display on the wall. Mounting slots on the back allow the N50PS display to be hung vertically or horizontally – just like a picture.



## Gigabit Video Interface™

Featuring Sony's Gigabit Video Interface (GVIF) technology, the N50 and the N50PS require just one cable to connect the LCD display and the Media Engine. This single-cable solution means there are no cords to tangle with one another, giving the display a more simplified and elegant desktop image.



displays *by* sony

# SDM-N50 SDM-N50PS

Multiscan® N50 and N50PS  
Computer Displays

Models	SDM-N50/SDM-N50PS
Active Display Size	
Diagonal	15.0"
Horizontal	12.0"
Vertical	9.0"
LCD Panel	
LCD Type	a-Si TFT Active Matrix
Color Filters	RGB Vertical Stripes
Pixel Pitch	0.297 mm
Screen Treatment	Anti-Glare/Hard Coating
Colors	16.19 Million (Approx.)
Native Resolution	
1024 x 768	
Maximum Resolution	
1024 x 768 @75Hz	
Luminance	200 cd/m <sup>2</sup>
Contrast Ratio	300:1
Viewing Angle	
Horizontal	140°
Vertical	120°
Scan Range	
Horizontal	30-61 kHz
Vertical	48-85 Hz
Preset Resolutions	
640 x 400 @ 70Hz	
640 x 400 @ 85Hz VESA	
640 x 480 @ 60Hz VGA Graphics	
640 x 480 @ 67Hz Mac 13 Color	
640 x 480 @ 73Hz VESA	
640 x 480 @ 75Hz EVGA	
640 x 480 @ 85Hz VESA	
720 x 400 @ 70Hz VGA-Text	
720 x 400 @ 85Hz VESA	
800 x 600 @ 60Hz SVGA	
800 x 600 @ 72Hz VESA	
800 x 600 @ 75Hz ESVGA	
800 x 600 @ 85Hz VESA	
832 x 624 @ 75Hz PMAC	
848 x 480 @ 60Hz VAIO	
1024 x 768 @ 60Hz VESA	
1024 x 768 @ 70Hz VESA	
1024 x 768 @ 75Hz EUVGA	
1024 x 768 @ 75Hz Mac 19 Color	

Designed for



Microsoft®  
Windows®98



## SPECIFICATIONS

Preset Timings		Power Mgmt	International Energy Star NUTEK Spec 803299
Factory	20	Designed for	Windows® 95, 98, 2000 Windows NT Macintosh® Compatible
User	25	Plug & Play	DDC-1, DDC-2B, DDC-2Bi
Video Inputs		Panel Tilt	
Video Connector	15-pin mini D-sub x 2	SDM-N50	0° - 90°
Video Signal	Analog RGB (0.7 Vp-p, positive, 75 ohms)	SDM-N50PS	20° - 40°
Sync Signal	Separate HD/VD (TTL)	Front Panel User Controls	
Sync on Green	0.3 Vp-p, negative	On/Off	
Audio Inputs/Outputs		Menu	
Signal Input Connector	Stereo Minijack	Contrast	
Audio Input	0.5V RMS	Brightness	
Impedance	47k ohms	Input Selection	
Headphone Output	15mW x 2, 16ohms	On Screen Display Controls	
Speaker Output	2W x 2 (SDM-N50)	Phase	
Display Dimensions (WxHxD)		Pitch	
SDM-N50	14.0" x 13.7" x 7.3"	H/V Centering	
SDM-N50PS	14.0" x 11" x 1" (w/o stand) 14.0" x 8.9" x 8" (tilt 90°, w/stand)	Zoom	
Display Weight		Color Temperature	
SMD-N50	5.9 lbs.	Backlight Control	
SMD-N50PS	3.3 lbs.	Multi-Language (6 Languages)	
Media Engine Dimensions (WxHxD)		Control Lock	
7.0" x 1.8" x 7.0"		Power Save	
Media Engine Weight		Reset	
1.9 lbs.		OSD Position	
Power Requirements		Menu Lock	
100-240V AC, 50/60Hz		Bass Boost (SDM-N50 only)	
Power Management		Wide Stereo (SDM-N50 only)	
Normal	35 W (Typical)	User Sensor (SDM-N50 only)	
Power Saving Mode	8 W (max.)(w/user sensor)	Light Sensor (SDM-N50 only)	
Stand-by	3 W (max.)	Operating Conditions	
Suspend	3 W (max.)	Temperature	41° to 95°
Active Off	3 W (max.)	Relative Humidity	10% to 80% (Non Condensing)
Power Off	3 W (max.)	Storage Conditions	
AC Power Off	0 W	Temperature	-4° to 140°
Regulation and Standard Compliance		Relative Humidity	5% to 95% (Non Condensing)
Safety	UL 1950, CSA C22.2 No. 950 EN60950 EMKOS	Supplied Accessories	
Human Factor	ZH-1 /618 TUV Ergonomic Mark ISO 9241-3	AC Power Cord	
CE Mark	CISPR22 Class B EN50082.1 EN61000-3-2	Windows Monitor Information Disk/ Utility Disk	
EMI	FCC Class B IC Class B	Macintosh Utility Disk	
ELF/VLF	MPR II TCO '95	Mac Adapter	
		HD15 - HD15 Video Signal Cable	
		Audio Cable	
		GVIF Video Signal Cable	
		User's Manual	
		Media Engine Stand	
		Display Stand (SDM-N50PS only)	
		Pivot® Software (SDM-N50PS only)	
		Limited Warranty	
		Parts and Labor	3 years
		Backlight	1 year

# SONY

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Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This display is not manufactured to any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware option except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of non-Sony products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance.

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This monitor is Energy Star Compliant when used with a computer equipped with VESA Display Power Management Signaling (DPMS). As an International Energy Star Partner, Sony Corporation has determined that this product meets the International Energy Star Program for energy efficiency. The Energy Star emblem does not represent EPA endorsement of any product or service. Screen images are simulated.