SDM-N 50/ SDM-N 50PS
Multiscan® N50 and N50PS Computer Displays

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-N 50**
  - 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-N 50PS**
  - 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 setup time.
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 is a desk drawer, cutting down on unnecessary desktop clutter.
**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.

**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 2W x 2W 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.
**SDM-N 50**
**SDM-N 50PS**

Multiscan® N 50 and N 50PS

Computer Displays

### Models
- **SDM-N 50/ SDM-N 50PS**

<table>
<thead>
<tr>
<th>Active Display Size</th>
<th>SDM-N 50/ SDM-N 50PS</th>
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</thead>
<tbody>
<tr>
<td>Diagonal</td>
<td>15.0&quot;</td>
</tr>
<tr>
<td>Horizontal</td>
<td>12.0&quot;</td>
</tr>
<tr>
<td>Vertical</td>
<td>9.0&quot;</td>
</tr>
</tbody>
</table>

### LCD Panel
- **a-Si TFT Active Matrix**

### Color Filters
- RGB Vertical Stripes

### Pixel Pitch
- 0.297 mm

### Screen Treatment
- Anti-Glare/Hard Coating

### Scan Range
- **Resolution**
  - Horizontal: 3041 Hz
  - Vertical: 48.85 Hz

### Preset Timings
- **Normal**
  - 35 W (Typical)
- **Power Saving Mode**
  - Stand-by: 3 W (max.)
  - Suspend: 3 W (max.)
  - Active Off: 3 W (max.)
  - Power Off: 0 W

### Power Management
- **Power Management**
  - On/Off
  - Reset
  - OSD Position

### Display Dimensions (W x H x D)
- **SDM-N 50**
  - 14.0" x 13.7" x 7.3"
- **SDM-N 50PS**
  - 14.0" x 11.1" x 1" (w/o stand)
  - 14.0" x 8.9" x 6" (tilt 90°, w/stand)

### Display Weight
- **SM-DN 50**
  - 5.9 lbs.
- **SM-DN 50PS**
  - 3.3 lbs.

### Media Engine Dimensions (W x H x D)
- **7.0" x 1.8" x 7.0"**

### Media Engine Weight
- 1.9 lbs.

### Power Requirements
- **100-240V AC, 50/60 Hz**

### Power Management
- Normal: 35 W (Typical)
- Power Saving Mode: 8 W (max. [w/ user sensor])
- Stand-by: 3 W (max.)
- Suspend: 3 W (max.)
- Active Off: 3 W (max.)
- Power Off: 3 W (max.)
- AC Power Off: 0 W

### Regulation and Standard Compliance
- **Safety**
  - UL 1950
  - CSA C22.2 No. 950
  - EN 60950
  - EMKOS
  - Human Factor
    - ISO 9241-3
  - CE Mark
    - Cisper22 Class B
    - EN 50082-1
    - EN 61000-3-2
  - EM I
    - FCC Class B
    - IC Class B
  - ELF/ VLF
    - MPR II
    - TCO '95

### Computer Interfaces
- **Power Management**
  - International Energy Star
  - NUTEK Spec 803299
  - Designed for
    - Windows 95, 98, 2000
    - Windows NT
  - Macintosh® Compatible
  - DDC-1, DDC-2B, DDC-2Bi

### Panel Tilts
- **Panel Tilts**
  - SDM-N 50: 0° - 90°
  - SDM-N 50PS: 20° - 40°

### Front Panel User Controls
- **On Screen Display Controls**
  - Phase
  - Pitch
  - H/V Centering
  - Zoom
  - Color Temperature
  - Backlight Control
  - Multi-Language (6 Languages)
  - Control Lock
  - Power Save
  - Reset
  - OSD Position
  - Menu Lock
  - Bass Boost (SDM-N 50 only)
  - Windows Monitor Information Disk (SDM-N 50 only)
  - User Sensor (SDM-N 50 only)
  - Light Sensor (SDM-N 50 only)

### Operating Conditions
- **Temperature**
  - 41° to 95°
- **Relative Humidity**
  - 10% to 80% (N on Condensing)

### Storage Conditions
- **Temperature**
  - 4° to 140°
- **Relative Humidity**
  - 5% to 95% (N on Condensing)

### Limited Warranty
- **Parts and Labor**
  - 3 years
- **Backlight**
  - 1 year

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**Designed for**

- **Microsoft Windows® 98**
- **Windows® NT**
- **Macintosh®**
- **Windows® 2000**

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**Specifications**

**Preset Timings**
- **Factory**
  - 20
- **User**
  - 25

**Video Inputs**
- **Video Connector**
  - 15-pin mini D-sub x 2
- **Video Signal**
  - Analog RGB (0.7 Vp-p, positive, 75 ohms)
- **Sync Signal**
  - Separate HD/VD (TTL)
- **Sync on Green**
  - 0.3 Vp-p, negative

**Audio Inputs/Outputs**
- **Signal Input Connector**
  - Stereo Mini Jack
- **Audio Input**
  - 0.5 V RMS
- **Impedance**
  - 47 k ohms
- **Headphone Output**
  - 15 W x 2, 16 ohms
- **Speaker Output**
  - 2 W x 2 (SDM-N 50)

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**User 25**

**Digital Video Interface**

**Operating System**

**Windows NT**

**Plug & Play**

**DDC-1, DDC-2B, DDC-2Bi**

**Macintosh®**

**Windows® 95, 98, 2000**

**Power Management**

**International Energy Star**

**NUTEK Spec 803299**

**Macintosh®**

**Windows® 95, 98, 2000**

**Windows® NT**

**Macintosh®**

**Windows® 95, 98, 2000**

**Windows® NT**

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**For more information:**

1-800-352-SONY

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