# 933BW • 2233SW • 2233BW • 2433BW

**SAMSUNG**

## 19", 21.5", 22" and 24" Widescreen LCD Monitors

**Features:**

- Distinctive soft design with rich piano black finish

- Integrated rear cable housing for a clean look

- Up to 1920 x 1080 full HD resolution (2233SW)

- 5ms response, up to 20,000:1 dynamic contrast ratio

- Exclusive Samsung Magic technologies for rich, natural color

- Custom key for one-touch access to preferred picture function

- 16:10 aspect ratio, 16:9 aspect ratio widescreen (2233SW)

**933BW**      **2233SW/BW**      **2433BW**

imagine a sculpture that doubles as a valuable business tool. That's the Samsung 33BW/SW series widescreen LCD monitors. Their soft curves, rich piano black finishes, clear acrylic accent bars and integrated cable housings lend distinctive style and sophistication to your desk. The widescreens mean more room for multitasking, while up to 1920 x 1080 full HD resolution, 5ms response, exclusive picture technologies and up to 20,000:1 dynamic contrast ratio give you fast, colorful, detailed motion video. Beauty inside and out. With the Samsung 33BW/SW series, it's not hard to imagine.

# 933BW
# 2233SW
# 2233BW
# 2433BW

19", 21.5", 22" and 24" Widescreen LCD Monitors

## Features

### Distinctive Design
Soft corners, rich piano black finish and acrylic accent bar will beautify any desk.

### Cable Housing
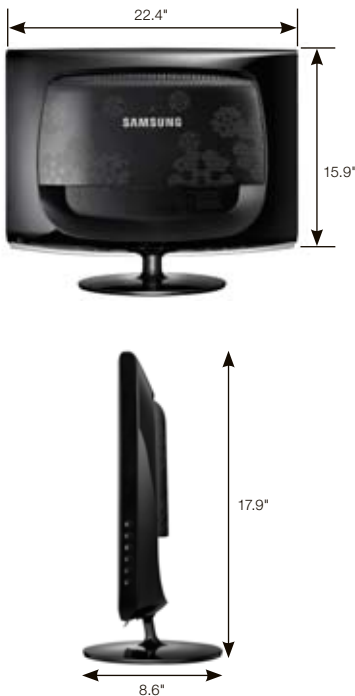Integrated rear housing hides cables, for a sleek, clean look.

### Up to 1920 x 1080 Full HD
The 2233SW features 1920 x 1080 full HD resolution, giving you the highest resolution possible.

### Custom Key
The programmable Custom Key gives you instant one-touch access to your preferred Samsung picture optimization technology. MagicBright 3 gives you seven pre-set modes to choose from. MagicColor enhances color either overall or with regard to natural skin tones. Color Effect lets you view images in grayscale, green, aqua or sepia. And Image Size lets you properly view either 5:4 or 4:3 content on the widescreen without distortion.

### 2433BW Dimensions

22.4"
15.9"
17.9"
8.6"

| Specifications | | 933BW | 2233SW | 2233BW | 2433BW |
|---|---|---|---|---|---|
| Display | Type | a-si TFT/TN | a-si TFT/TN | a-si TFT/TN | a-si TFT/TN |
| | Viewable Size | 19" Wide | 21.5" Wide | 22" Wide | 24" Wide |
| | Native Resolution | 1440 x 900 | 1920 x 1080 | 1680 x 1050 | 1920 x 1200 |
| | Pixel Pitch (mm) | 0.285 | 0.248 | 0.282 | 0.270 |
| | Aspect Ratio | 16:10 | 16:9 | 16:10 | 16:10 |
| | Contrast Ratio | 1000:1/15000:1 Dynamic | 1000:1/15000:1 Dynamic | 1000:1/20000:1 Dynamic | 1000:1/20000:1 Dynamic |
| | Viewing Angle (H/V) | 170°/160° (CR>10) | 160°/160° (CR>10) | 170°/160° (CR>10) | 170°/160° (CR>10) |
| | Response Time | 5ms | 5ms | 5ms | 5ms |
| | Light Source | CCFL | CCFL | CCFL | CCFL |
| | Brightness (Typical) | 300 cd/m² | 300 cd/m² | 300 cd/m² | 300 cd/m² |
| | Panel Surface | Matte | Matte | Matte | Matte |
| Video Input Signal | Maximum Color Supported | 16.7M | 16.7M | 16.7M | 16.7M |
| | Analog | Analog RGB | Analog RGB | Analog RGB | Analog RGB |
| | Digital | DVI (with HDCP) | DVI (with HDCP) | DVI (with HDCP) | DVI (with HDCP) |
| | Frequency (H/V) | 30~81kHz(H) / 56~75Hz(V) | 30~81kHz(H) / 56~75Hz(V) | 30~81kHz(H) / 56~75Hz(V) | 30~81kHz(H) / 56~75Hz(V) |
| | Sync | H/V Separated, Composite H/V, Sync on Green | H/V Separated, Composite H/V, Sync on Green | H/V Separated, Composite H/V, Sync on Green | H/V Separated, Composite H/V, Sync on Green |
| Compatibilty | PC | Windows Vista Premium Certification, XP, 2000, 98 | Windows Vista Premium Certification, XP, 2000, 98 | Windows Vista Premium Certification, XP, 2000, 98 | Windows Vista Premium Certification, XP, 2000, 98 |
| | Mac | Mac OS Leopard, X, 9 | Mac OS Leopard, X, 9 | Mac OS Leopard, X, 9 | Mac OS Leopard, X, 9 |
| Input Connectors | | 15-pin D-sub, DVI-D, 3-pin AC plug (CEE22) | 15-pin D-sub, DVI-D, 3-pin AC plug (CEE22) | 15-pin D-sub, DVI-D, 3-pin AC plug (CEE22) | 15-pin D-sub, DVI-D, 3-pin AC plug (CEE22) |
| Power | Voltage | AC 100-240 ~ VAC (±10%), 60/50 Hz ± 3 Hz | AC 100-240 ~ VAC (±10%), 60/50 Hz ± 3 Hz | AC 100-240 ~ VAC (±10%), 60/50 Hz ± 3 Hz | AC 100-240 ~ VAC (±10%), 60/50 Hz ± 3 Hz |
| | Consumption (Max/DPMS) | 34 watts /<1 watt | 40 watts/<1 watt | 45 watts/<1 watt | 50 watts/<1 watt |
| Controls | Basic | Power, Auto Adjustment, Source, Brightness up/down, MagicBright 3 presets, OSD Menu | Power, Auto Adjustment, Source, Brightness up/down, MagicBright 3 presets, OSD Menu | Power, Auto Adjustment, Source, Brightness up/down, MagicBright 3 presets, OSD Menu | Power, Auto Adjustment, Source, Brightness up/down, MagicBright 3 presets, OSD Menu |
| | Advanced | Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Tone, Control, Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Auto Source, Reset, Off Timer, Customized Key, Image Size) | Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Tone, Control, Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Auto Source, Reset, Off Timer, Customized Key, Image Size) | Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Tone, Control, Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Auto Source, Reset, Off Timer, Customized Key, Image Size) | Picture (Brightness, Contrast, Magic Bright), Color (MagicColor, Tone, Control, Effect, Gamma), Image (Coarse, Fine, Sharpness, H position, V position), OSD (Language, H position, V position, Transparency, Display Time), Setup (Auto Source, Reset, Off Timer, Customized Key, Image Size) |
| Features | Plug & Play | DDC 2B/DDC-CI | DDC 2B/DDC-CI | DDC 2B/DDC-CI | DDC 2B/DDC-CI |
| | Stand | Tilt | Tilt | Tilt | Tilt |
| | Wall Mount (VESA) | 75mm | 100 mm | 100mm | 100mm |
| | Cabinet Color | High Gloss Black | High Gloss Black | High Gloss Black | High Gloss Black |
| Magic Technologies | MagicColor (Full/ Intelligent) | ■ | ■ | ■ | ■ |
| | MagicBright 3 (Custom, Text, Internet, Game, Sport, Movie, Dynamic Contrast) | ■ | ■ | ■ | ■ |
| | MagicTune (On-screen Asset Management) | ■ | ■ | ■ | ■ |
| Operating Conditions | Temperature | 10°~ 40° | 10°~ 40° | 10°~ 40° | 10°~ 40° |
| | Humidity | 10% ~ 80%, non-condensing | 10% ~ 80%, non-condensing | 10% ~ 80%, non-condensing | 10% ~ 80%, non-condensing |
| Dimensions and Weight | W x H x D With Stand, W x H x D Without Stand Shipping Carton | 17.8" x 14.9" x 7.9" 17.8" x 13.1" x 2.9 20.4" x 15.9" x 5.2" | 20.4" x 15.4" x 8.2" 20.4" x 13.6" x 2.8" 23.5" x 16.3" x 5.2" | 20.3" x 16.6" x 8.2" 20.3" x 14.7" x 2.8" 23.5" x 17.3" x 5.2" | 22.4" x 17.9" x 8.6" 22.4" x 15.9" x 2.8" 25.9" x 19.6" x 5.4" |
| | Weight (w/Stand, Shipping) | 8.8 lbs., 11.9 lbs. | 9.7 lbs., 12.9 lbs. | 10.6 lbs., 13.7 lbs. | 11.7 lbs., 15.0 lbs. |
| Package Contents | | Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD | Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD | Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD | Monitor, Power Cable, 15-pin D-sub Cable, DVI-D Cable, Manuals, Driver CD |
| Warranty | | 3 years parts and labor | 3 years parts and labor | 3 years parts and labor | 3 years parts and labor |
| Green Management | Emission Standard | EMC | EMC | EMC | EMC |
| | RoHS Compliant | ■ | ■ | ■ | ■ |
| | Energy Star Compliant | ■ | ■ | ■ | ■ |
| | Product Recyclability | CCFL panel contains mercury, please dispose of properly | CCFL panel contains mercury, please dispose of properly | CCFL panel contains mercury, please dispose of properly | CCFL panel contains mercury, please dispose of properly |
| | Packaging Recyclability | Packing materials recyclable | Packing materials recyclable | Packing materials recyclable | Packing materials recyclable |

Product Information: 1-866-542-7214    www.samsungmonitors.com
Product Support: 1-800-SAMSUNG

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