

52MF438B

52" High Definition LCD TV with TRUE 1080P

With its 1080p Full HD panel, Blu-ray and HD DVD player support and a digital ATSC tuner, the 52MF437B delivers the very best digital HD TV display, HD media connectivity, Dolby Digital sound, SPDIF audio output and doubles as a PC display.

- *LCD Full HD display, 1920x1080p*
- *Integrated tuner decodes digital ATSC and QAM signals*
- *Dolby Digital for movies or concerts in full surround sound*
- *Dynamic Contrast gives enriched color performance*
- *Stereo sound system*
- *Multiple audio/video inputs (480i/p, 720p, 1080i, 1080p)*
- *HDMI for full digital High Definition connection*



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Product specifications

Picture/Display

- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 33000:1
- Response time (typical): 8 ms
- Diagonal screen size: 52 inch / 132 cm
- Panel resolution: 1920x1080p
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Progressive Scan
- Viewing angle: 160° (H) / 160° (V)
- Visible screen diagonal (inch): 52.04 inch

Supported Display Resolution

Resolution	Refresh rate
Video formats	
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz
1080p	60Hz
Computer formats	
640 x 480	60Hz
720 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 1024	60Hz
1280 x 768	60Hz
1920 x 1080	50, 60Hz

Sound

- Output power (RMS): 20W
- Sound System: Dolby Digital (AC-3)

Loudspeakers

- Built-in speakers: 2

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: On main display
- Ease of Installation: Autostore
- Ease of Use: Side Control, Auto Volume Leveller (AVL)
- Remote Control: TV

- Screen Format Adjustments: Auto Format, 4:3, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen

Tuner/Reception/Transmission

- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
- Cable: Unscrambled Digital Cable -QAM
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity

- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, YPbPr
- AV 3: Audio L/R in, CVBS in, S-Video in
- Front / Side connections: Audio L/R in, CVBS in, Headphone out, S-video in
- Audio Output - Digital: Coaxial (cinch)
- Other connections: HDMI

Power

- Ambient temperature: 5 °C to 40 °C
- Mains power: 90-240V, 50-60Hz
- Power consumption: 340 W
- Standby power consumption: < 1 W

Dimensions

- Set dimensions in inch (W x H x D): 50.75 x 32.48 x 4.55 inch
- Set dimensions with stand in inch (W x H x D): 50.75 x 34.65 x 13.50 inch
- Product weight (lb): 90.83 (with stand), 80.69 (without stand)
- Box dimensions in inch (W x H x D): 56.46 x 36.10 x 16.61 inch
- Weight incl. Packaging (lb): 110.67
- VESA wall mount compatible: 400 x 400 mm

Accessories

- Included Accessories: Power cord, Quick start guide, User Manual, Registration card, Remote Control, Batteries for remote control, Table top stand

LCD Full HD display 1920x1080p

This display has a resolution that is referred to as Full HD. With state-of-the-art LCD screen technology it has the full high-definition widescreen resolution of 1920 x 1080p. This is the highest resolution that HD broadcast can transmit. It allows the best possible picture quality from any format of HD input signal. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

Integrated HDTV tuner

A built-in digital tuner receives and decodes ATSC off-air and unscrambled cable signals directly, so you can view digital high-definition TV programming without an additional set-up box.

Dolby Digital

Because Dolby Digital and DTS, the world's leading digital multi-channel audio standards, make use of the way the human ear naturally processes sound, you experience superb quality surround sound audio with realistic spatial cues.

Dynamic Contrast

Special picture processing technology dynamically and seamlessly delivers vibrant images in bright scenes or reproduces a deep blacks and accurate rendering of darker colors and shades in dark scenes. You get the ultimate LCD picture: stable and clear images with enriched color performance and excellent contrast.

Stereo sound system

A system that receives stereo broadcasts for high power performance with exciting and lifelike sound through dual speakers.

Multiple AV inputs plus 1080p

Multiple AV inputs are built-in connectors that accommodate all major video device signals: CVBS, S-video, component and HDMI (480i/p, 720p, 1080i and 1080p). Component and HDMI can even process the highest 1080p signal from any HD source including Blu-ray and HD DVD players, delivering maximum lines of resolution and the best image quality in the HDTV standard.

HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.