

42MF439B

42" class LCD HDTV with Built-in BluRay player

With its ultra sharp widescreen Full HD picture, rich color, HD media connectivity, Dolby Digital sound, integrated digital tuner and multiple AV input options, the 42MF439B is a superb TV for your home.

- **LCD Full HD display, 1920x1080p**
- **Dynamic Contrast gives enriched color performance**
- **Integrated tuner decodes digital ATSC and QAM signals**
- **Multiple audio/video inputs (480i/p, 720p, 1080i, 1080p)**
- **HDMI for digital High Definition connection**
- **Dolby Digital for movies or concerts in full surround sound**
- **HDMI input for use as a PC monitor**
- **Energy Star for energy efficiency and low power consumption**



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Product specifications

Picture/Display

- Aspect ratio: Widescreen
- Diagonal screen size: 42 inch / 106 cm
- Visible screen diagonal (inch): 42.02 inch
- Panel resolution: 1920x1080p
- Brightness: 500 cd/m²
- Contrast ratio (typical): 4000:1
- Dynamic screen contrast: 16000:1
- Picture enhancement: Clear Pix Plus Engine, 3/2 - 2/2 motion pull down, Progressive Scan, 3D Combfilter, Digital Noise Reduction, Dynamic contrast enhancement
- Response time (typical): 6.5 ms
- Viewing angle: 176° (H) / 176° (V)

Supported Display Resolution

Resolution	Refresh rate
Computer formats	
640 x 480	60Hz
720 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz
1440 x 900	60 Hz
Video formats	
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz
1080p	60Hz

Sound

- Sound System: Mono, Stereo, SAP, Dolby Digital (AC-3)
- Output power (RMS): 2 x 10W
- Sound Enhancement: Virtual Surround Sound

Loudspeakers

- Built-in speakers: 2

Convenience

- Ease of Installation: Autostore, PLL Digital Tuning, Plug & Play
- User convenience: Sleep Timer
- Ease of Use: Auto Volume Leveller (AVL), On Screen Display, Smart Picture, Smart Sound, Closed Captioning Full Text, Side Control
- Screen Format Adjustments: Widescreen, 4:3, Movie expand 14:9, Super Zoom, 16:9 subtitle
- Child Protection: Child Lock+Parental Control

Tuner/Reception/Transmission

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

Connectivity

- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, CVBS in
- AV output: Audio (L/R) x1
- Audio Output - Digital: Coaxial (cinch)
- HDMI 1: Analog audio L/R in, HDMI v1.3
- HDMI 2: HDMI v1.3
- Front / Side connections: S-video in, CVBS in, Audio L/R in, HDMI v1.3, Headphone out
- HDMI-CEC: One touch play, Power status, System standby

Power

- Mains power: 120V/60Hz
- Power consumption: 262 W
- Standby power consumption: 0.5W
- Ambient temperature: 5 °C to 35 °C

Dimensions

- Set dimensions in inch (W x H x D): 40.4 x 26.2 x 4.9 inch
- Set dimensions with stand in inch (W x H x D): 40.4 x 28.6 x 12.3 inch
- Box dimensions in inch (W x H x D): 46.3 x 32.6 x 10.7 inch



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.

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.

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.

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.

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.

PC input via HDMI

With PC input you can use your TV as a PC monitor via a HDMI-DVI cable/converter.

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Product specifications (continued)

- Product weight (lb): 53.0
- Product weight (+stand) (lb): 55.2 lb
- Weight incl. Packaging (lb): 64.0
- VESA wall mount compatible: 200 x 200 mm

Accessories

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