

TOSHIBA

50HMX96

50" (measured diagonally) Cinema Series®
INTEGRATED HDTV DLP® (720p)

KEY FEATURES

VIDEO

- New TALEN™ 5 720p (Toshiba Advanced Light Engine) DLP® Engine
- Radiance 150™ Hi-Bright Lamp with Quick Restart™
- PixelPure™ Hi-Bit Digital Video Processing
- 3D Colormaster Color Management System

AUDIO

- New Scoop Cabinetry Design with SoundStrip™ Speaker System
- SRS® WOW™ (3D, TruBass®, FOCUS®)
- StableSound®
- Virtual Dolby Digital® and SRS® TruSurround 5.1

CONVENIENCE

- ATSC/NTSC/QAM Digital Television Tuner
- Dual HDMI™ Inputs
- PC Input (15 Pin, D-Sub)
- 6-Item Illuminated Universal Remote¹
- Improved Channel Browser™
- TV Guide On Screen™



shown on optional stand

ADVANTAGE TOSHIBA

New TALEN™ 5 720p Light Engine with DEEP Picture™ (Digitally Enhanced Engine Performance).

PixelPure™ Hi-Bit 12 bit processing means a smooth transition from dark parts of the picture to light, with over 4,000 steps, for significantly more natural images.

3D Colormaster Color Management System offers individual control of the hue, saturation, and brightness for 64 individual colors.

SRS® WOW™ and SRS TruSurround 5.1 greatly improves audio performance with improved fidelity and wider "sweet spot" for the listener.

New Black Scoop Design cabinet holds new Soundstrip™, 2-way speaker system for big speaker sound from a slim new cabinet.

PRELIMINARY SPECIFICATIONS SUBJECT TO CHANGE

50HMX96

TECHNOLOGY & BENEFITS VIDEO

New TALEN™ 5 720p DLP® Engine - Incorporates 5th generation DLP technology from Texas Instruments for our best 720p picture yet.

Radiance 150™ Hi-Bright Lamp with Quick Restart™ - This high quality lamp is 25% brighter, for increased brightness without losing contrast. Quick Restart means that this great picture is only a moment away.

PixelPure™ Hi-Bit Digital Video Processing - Using 12-bit picture processing (up to 14 bit internally), can create 4096 steps of gradation (steps between the whitest white, to the blackest black), and will also incorporate improvements in areas such as: real speed progressive scanning, video noise reduction, sharpness, and gamma control to set a new standard for picture quality.

Four Step Dynamic Contrast - Allows the user to customize the picture based on such factors as source material and ambient lighting conditions.

AUDIO

New Scoop Cabinetry Design with SoundStrip™ Speaker System - Uses new a thin-line speaker system with enhanced dynamic range yields big speaker sound in a new cabinet that produces a 56" DLP that has greatly reduced height and width (67-1/16" W x 41 15/16" H).

StableSound® - Reduces unwanted volume fluctuations (eg. during commercials) by keeping volume within set levels, for easier listening.

SRS® WOW™ (3D, TruBass®, FOCUS®) - Greatly improves audio performance with improved fidelity and wider "sweet spot" for the listener.

CONVENIENCE

ATSC/QAM/NTSC Tuner with CableCARD™ Slot - Allows tuning of off-air, unscrambled, and scrambled (using cable company provided CableCARD™) for maximum HDTV reception flexibility.

Dual HDMI™ Digital Inputs - Includes both uncompressed digital video and digital audio in one convenient cable for connections from today's best home theater components.

6-Item Illuminated Universal Remote - This universal remote will operate a home theater system and, at the touch of a button, is fully backlit for ease of operation at night.

PC Input (15 Pin D-Sub) - For use as a monitor for added flexibility.

TV Guide On Screen™ - Provides an easy to ready, interactive listing of television shows to view or record using this with the supplied IR blaster, greatly simplifies recording to a VCR or DVR, just highlight the show, and begin recording.

THINC™ RJ-45 Network Capability - Allows access, through a existing home network, to your library of JPEG and MP3 files, using only the TV's remote control, even through a connected home theater.

DoubleWindow POP - Allows viewing of two sources side-by-side, in their correct aspect ratio.

¹In some cases, the remote control may not operate additional devices or certain features of such devices, in which case, it is suggested that you use the original remote control for the applicable device.

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SPECIFICATIONS

	Pixel Format (H x V)	1280 x 720 (HD5)
	Screen Pitch (mm)	0.15
	Lamp Power (W)	150
	NTSC 191 Channels	X
	QAM (135 channel)	X
	480i/480p/720p/1080i input	X
	PC Input	X
VIDEO	VGA (640 x 480)	(60 Hz)
	S-VGA (800 x 600)	(60 Hz)
	XGA (1024 x 768)	(60 Hz)
	AC Input	120V (60 Hz)
	Typical (W)	215
	Active Standby POD card/no-card (W)	28/24
	TV Guide On Screen™	Gemstar
	Reminder / Recording	X
	Closed Caption	X
	V-Chip	X
	Stereo	MTS/SAP
	Picture Modes	X
	1080i / 720p	4 mode (w/o 4:3)
	480i / 480p	5 modes
	Auto Aspect	X
	Double Window	X
	Screen Freeze	X
Comb Filter	3D Y/C	
Real Digital Picture	X	
Magic Square Algorithm	X	
DNR	480i / 480p / 720p / 1080i	
MPEG NR	480i / 480p / 720p / 1080i	
Dynamic Contrast	Low/Middle/High/Off)	
Vertical Edge Enhancer	X	
3D-Color Management	X	
Color Temperature Control	X	
Picture Mode (Sports/Standard/Movie/Preference)	X	
Fine Cinema (without HDMI)	480i	
Lamp Mode (150W/120W)	X	
Game Mode	X	
Surround Sound	X	
AUDIO	SRS® WOW™	X (SRSTruSurround 5.1 digital)
	Dolby Digital®	X (Virtual Dolby Digital®)
	Audio Output Power	20 Watts
	Two Way Speaker System	X
	IR Pass Through	X
	G-Link	X
	CableCARD™	X
	Service Port	(SD conector)
	Clock	X
	On / Off / GameTimer™	X
CONVENIENCE	Sleep Timer	X
	Panel Lock	X
	No Signal Off / Mute	X
	Selectable Picture	X
	Channel Return	X
	Channel Browser™	X
	Auto Search Memory	X
	Trilingual OSD	X
	Picture Viewer (JPEG file playback)	Ethernet
	Audio Player (MP3 file playback)	Ethernet
TERMINALS	RF Input	2
	Audio/Video Inputs	2
	S Video Inputs	2
	ColorStream® HD Inputs	2
	HDMI™ Digital Inputs	2
	PC Input (15 pin Dsub)	X
	PC Audio Input	X
	Video Output	X
	Variable Audio Output	X
	Digital Audio Output	OPTICAL
RJ-45 Ethernet	1	
IR-Cable	yes (1)	
Remote	CT-90256	
Width (WHD) inches	47 3/16 x 30 11/16 x 16 5/8	
Carton Width (WHD)	53 x 36 3/4 x 20 15/16	
Weight (lbs)	64	
Weight (Carton) lbs	86	
UPC Code	022265251577	