

PLASMA 3D SMART TV

PM9700 SERIES



If you want it all – a mind-blowing picture, certified THX 3D display and virtually unlimited entertainment access with LG Smart TV, you've found it with the PM9700 Series.



PICTURE QUALITY

- TruBlack Filter
- Anti-Glare Filter
- THX® Certified Display (2D/3D)
- Triple XD Engine
- Resolution Upscaler
- Full HD 1080p Resolution
- 600Hz Max Sub Field Driving
- Super Black Level

SMART TV

- Magic Remote
- Home Dashboard
- Smart Share
- Intel® Wireless Display (WiDi)
- Network File Browser

3D FEATURES

- 3D Wide Viewing Angle
- 3D Wizard
- 3D Zone

DESIGN

- Wing Stand
- TruSlim Frame



The TruBlack Filter helps block glare while boosting images on the screen to improve picture quality and contrast ratio.

Easy access to thousands of movies, customizable apps, videos and browse the web right at the click of Magic Remote.¹

Bring your content to life with 3D technology! The astonishing effects will immediately grab your attention and bring your entertainment experience to the next dimension.²

WANT MORE? ADD THE LG BH9420PW BLU-RAY HOME THEATER SYSTEM FOR THE FULL HOME CINEMA EXPERIENCE >>



PANEL SPECIFICATIONS

Screen Size Class (diagonal)	60PM9700	60" Class (59.8" diagonal)
	50PM9700	50" Class (49.9" diagonal)
Resolution	1920 x 1080p	
TruBlack Filter	•	
Anti-Glare Filter	•	
THX® Certified Display	• [2D/3D]	
Dynamic Contrast Ratio	5M:1	
Protective Skin Glass	•	
ISM (Image Sticking Minimization)	• [Orbiter/Color Wash]	
600Hz Max Sub Field Driving	•	

BROADCASTING SYSTEM

Analog	NTSC	
Digital	ATSC/NTSC/Clear QAM (1 Tuner)	

VIDEO

Triple XD Engine	•	
Aspect Ratio	16:9	
Aspect Ratio Correction	6 Modes (16:9/Just Scan/Set by Program/4:3/Cinema Zoom/Zoom)	
Just Scan (1:1 Pixel Matching)	HDMI	1080p/1080i/720p
0% OverScan	Component	1080p/1080i/720p
	RF	1080i/720p
Color Temperature Control	3 Modes (Warm/Medium/Cool)	
Real Cinema 24p (3:3 Pull Down)	• [HDMI 1080 24p]	
Cinema 3:2/2:2 Pull Down Mode	•	
Resolution Upscaler	•	
AV Mode (Picture & Sound)	3 Modes (Cinema/Game/Off)	
Picture Mode	8 Modes (Vivid/Standard/APS/Cinema/Game/Photo/ISF Expert 1/ISF Expert 2)	
Expert Mode (ISFccc Ready)	•	
Intelligent Sensor Mode	•	
xvYCC	•	
DTV Signal Strength (Digital)	•	

AUDIO

Mono/Stereo/Dual (MTS/SAP)	•	
Dolby Digital Decoder	•	
Speaker System	1 Way 2 Speakers	
Audio Output (Watts - THD 10%)	10W + 10W	
3D Sound Zooming	•	
Virtual Surround	•	
On Screen Equalizer	• [Band EQ]	
Auto Volume Leveler II	•	
Clear Voice II	•	
Sound Mode	7 Modes (Standard/Music/Cinema/Sport/Game/Vivid/User Setting)	
Mute	•	

3D FEATURES

3D Type (SG/FPR)	SG	
2D to 3D Mode	•	
3D to 2D Mode	•	
2D to 3D Depth Control	• [20 Steps]	
2D to 3D Viewpoint Control	• [20 Steps]	
3D Depth Control	• [20 Steps]	
3D Viewpoint Control	• [20 Steps]	
Format	Frame Sequential/Side by Side/Top & Bottom/Checker Board/Frame Packing	
Viewing Angle	178°/178°	
3D Emitter Type	RF (Bluetooth)	
3D Emitter Range	10m	

SMART TV FEATURES

Home Dashboard	•	
Full Web Browser	•	
App Store	•	
Premium Content Providers	•	
3D Content Streaming	•	
UltraViolet	•	

CONNECTIVITY

Wi-Fi Ready/Built-in	• [Built-in]	
WiFi Direct	•	
Intel® Wireless Display (WiDi)	•	
DLNA (Movie/Photo/Music)	•	
Windows 7 Certified	•	
SIMPLINK (HDMI CEC)	•	

SPECIAL FEATURES

Intelligent Sensor	•	
Picture Wizard II (2D/3D)	•	

SPECIAL FEATURES (CONTINUED)

Smart Energy Saving	•	
1080p Source Input	HDMI	60p/30p/24p
	Component	60p/30p/24p
	RGB	60p (WXGA)
AV Input Navigation	•	
Input Labeling	•	
Screen Adjust	•	
Quick View (Flashback)	•	
Parental Control w/V-Chip	•	
Rating (DTV)	• [by EPG]	
Key Lock	•	
Closed Caption	•	
Photo Mode	6 Modes (Original/Mono/Vintage/Oil Painting/Vignetting/Sketching)	
Memo Caster	•	

CONVENIENCE FEATURES

Languages	4 (English/Spanish/French/Korean)	
Auto Tuning/Programming	•	
Channel Add/Delete	•	
Favorite Channel Programming	•	
Auto/Manual Clock	•	
On/Off Timer	•	
Sleep Timer	•	
Auto Off/Auto Sleep	•	

AV INPUTS/OUTPUTS

RF In (Antenna/Cable)	1 (Rear)	
AV In	1 (Rear)	
Component Video In (Y, Pb, Pr) + Audio	2 (Rear)	
Digital Audio Out (Optical)	1 (Rear)	
HDMI™/HDCP Input	4 [2 Side/2 Rear]	
RGB In (D-Sub 15 Pin) - PC	1 (Rear)	
PC Audio Input	1 (Rear)	
USB 2.0	2 (Side)	
LAN	1 (Rear)	
RS-232C (Control/Service)	1 (Rear)	
Remote Control In	1 (Rear)	

CABINET / ACCESSORIES

Swivel (Right/Left)	20°/20°	
VESA Compatible	60PM9700	• [600mm x 400mm]
	50PM9700	• [400mm x 400mm]
Magic Remote	• [3 mode]	
3D Glasses	AG-S350 (Sold Separately)	

POWER

ENERGY STAR® Qualified	60PM9700	-
	50PM9700	•
Power Supply (Voltage, Hz)	100V - 240V, 50/60Hz	
Power Consumption, On Mode	60PM9700	460W
	50PM9700	320W
Standby Mode	0.12W	

DIMENSIONS / WEIGHT

TV without Stand (WxHxD)	60PM9700	53.0" x 32.6" x 2.1"
	50PM9700	46.0" x 27.6" x 2.1"
TV with Stand (WxHxD)	60PM9700	53.0" x 35.7" x 13.6"
	50PM9700	46.0" x 30.4" x 11.7"
Shipping Dimensions (WxHxD)	60PM9700	60.2" x 12.2" x 36.5"
	50PM9700	52.4" x 32.2" x 10.0"
TV without Stand Weight	60PM9700	81.1 lbs
	50PM9700	59.1 lbs
TV with Stand Weight	60PM9700	86.6 lbs
	50PM9700	62.6 lbs
Shipping Weight	60PM9700	102.7 lbs
	50PM9700	75.8 lbs

WARRANTY / UPC

Limited Warranty	2 Year Panel/1 Year Parts & Labor	
UPC	60PM9700	719192584785
	50PM9700	719192584808

¹Wireless Internet connection & certain subscriptions required and sold separately. Content and services vary by product and are subject to change without notice.

²For a small percentage of the population, the viewing of stereoscopic 3D video technology may cause discomfort such as headaches, dizziness or nausea. If you experience any symptoms, discontinue using the 3D functionality and contact your health care provider. 3D glasses required and sold separately.