

# SPECIFICATIONS

Product Name	XL2420T	XL2420TX	XL241 IT	RL2240H	RL2450HT	RL2450H
<b>Display</b>						
Backlight Unit / Panel Type	LED / TN		LED / TN	LED / TN	LED / TN	
LCD Size / Aspect Ratio	24"W / 16:9		24"W / 16:9	21.5"W / 16:9	24"W / 16:9	
Resolution (max.)	1920 x 1080		1920 x 1080	1920 x 1080	1920 x 1080	
Display Area (mm)	531.36 x 298.89		531.36 x 298.89	476.64 x 268.11	531.36 x 298.89	
Pixel Pitch (mm)	0.276		0.276	0.248	0.276	
Brightness (typ.)	350 cd / m <sup>2</sup>		350 cd / m <sup>2</sup>	250 cd / m <sup>2</sup>	250 cd / m <sup>2</sup>	
Contrast (typ.)	1000:1		1000:1	1000:1	1000:1	
DCR (Dynamic Contrast Ratio) (typ.)	12M:1		12M:1	12M:1	12M:1	
Viewing Angle (L/R;U/D) (CR>=10)	170 / 160		170 / 160	170 / 160	170 / 160	
Vertical Refresh Rate	120Hz		120Hz	60Hz	60Hz	
Response Time (Tr+Tf) typ.	2ms GTG		1ms GTG	2ms GTG	2ms GTG	
<b>Audio / Video Inputs / Outputs</b>						
Input / Output Connector	D-sub / DVI-DL (Dual-Link) / HDMI x 2 / DVI.2 / Headphone Jack	D-sub / DVI-DL (Dual-Link) / HDMI x 2 / DVI.2 / Headphone Jack / Embedded 3D IR Emitter	D-sub / DVI-DL (Dual-Link) / HDMI / Headphone Jack	D-sub / DVI-D / HDMI / Headphone Jack	D-sub / DVI-D / HDMI / Headphone Jack	
<b>Power</b>						
Power Supply (90~264 AC)	Built-in		Built-in	Built-in	Built-in	
Power Consumption	On Mode*	24W	22W	21W	27W	
	Power Saving Mode	<0.5W	<0.5W	<0.3W	<0.3W	
<b>Gaming Exclusive Features</b>						
Black eQualizer	Yes		Yes	Yes	Yes	
Game Mode Loader	Yes		Yes	No	No	
Display Mode	17" / 19" / 19"W / 21.5"W / 22"W / 23"W / 24"W		17" / 19" / 19"W / 21.5"W / 22"W / 23"W / 24"W	17" / 19" / 19"W / 21.5"W	17" / 19" / 19"W / 21.5"W / 22"W / 23"W / 24"W	
Smart Scaling	Yes		Yes	Yes	Yes	
FPS / RTS Mode	Yes / Yes		Yes / Yes	No / Yes	No / Yes	
<b>Special Features</b>						
Windows 7 / Vista Premium / HDCP	Yes		Yes	Yes	Yes	
VESA Wall Mounting	100 x 100mm		100 x 100 mm	No	100 x 100mm	
Pivot	90°		90°	No	90°	No
Swivel (left / right)	35 / 35		45 / 45	No	45 / 45	No
Tilt (down / up)	-5 / 20		-5 / 20	-5 / 20	-5 / 15	
Height Adjustment Stand (mm)	130 (adjustable down to the base)		130 (adjustable down to the base)	No	110	No
K Locker	Yes		Yes	Yes	Yes	
3D	NVIDIA® 3D Vision™ 2 ready		NVIDIA® 3D Vision™ 2 ready	No	No	
<b>Included Accessories</b>						
Signal Cable	VGA, DVI-DL(Dual-Link), USB		VGA, DVI-DL(Dual-Link)	VGA	VGA	
S Switch / NVIDIA® 3D Vision™ 2 Kit / Dust Cover	Yes / No / Yes	Yes / Yes / Yes	N / A	N / A	N / A	
<b>Regulations</b>						
Regulations	TCO 5.1		TCO 6.0	TCO 5.1	TCO 5.1	
<b>Dimensions &amp; Weight</b>						
Dimensions (H x W x D mm)	516 x 571 x 149		431 x 570 x 222	400 x 525 x 183	502 x 579 x 213	435 x 579 x 189
Net Weight (kg)	6.1		6.0	3.2	6.1	4.8

\*Based on Energy Star 5.1 test criteria

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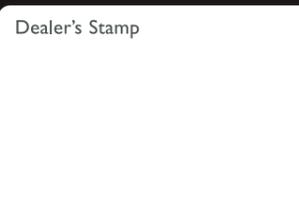
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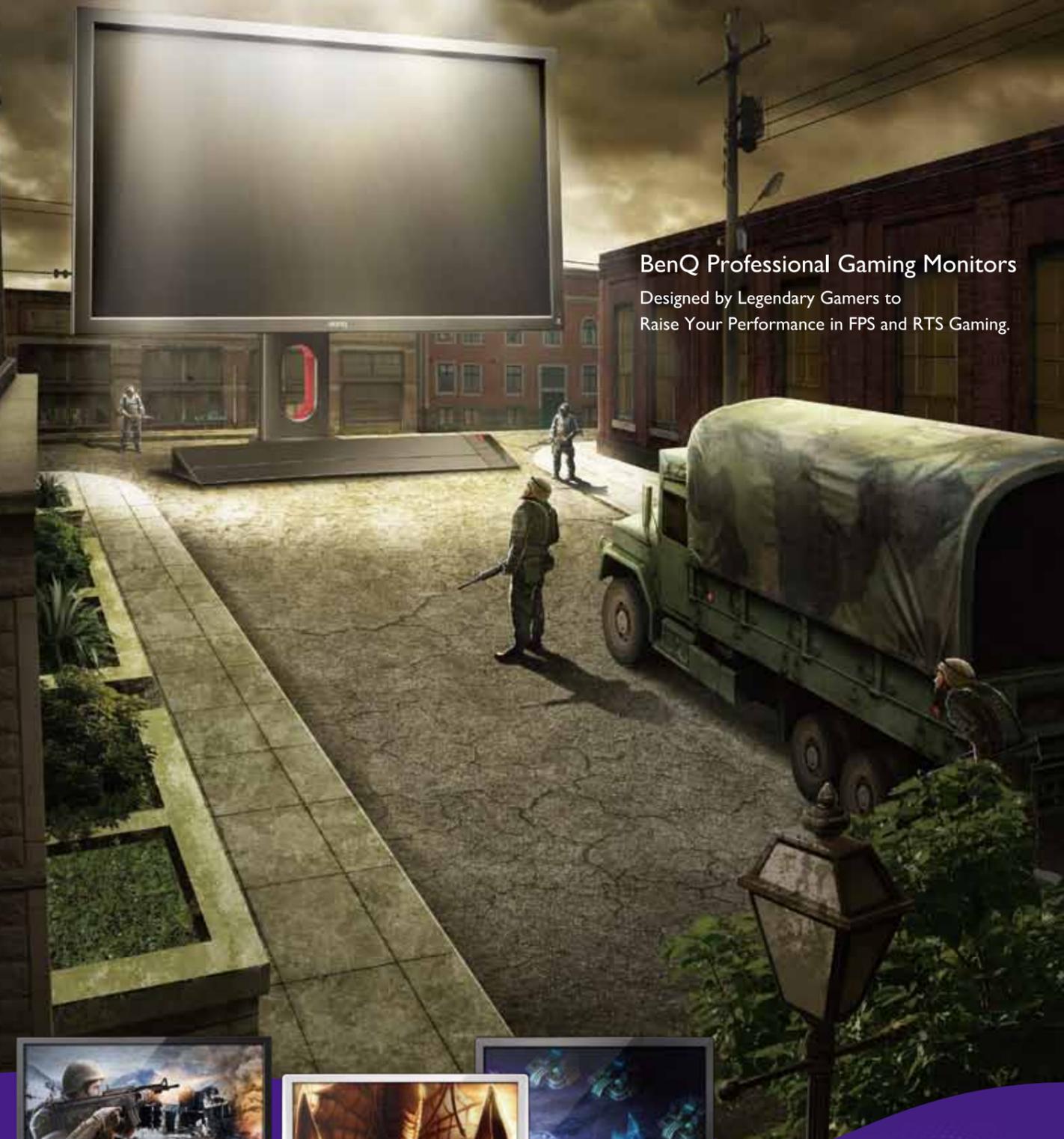


- Arsenic Mercury-free LED-backlit display
- Recycled papers in packaging box
- Eco-friendly ink printing in packaging box
- BFR/PVC-free casing plastics



Enjoyment Matters

LED

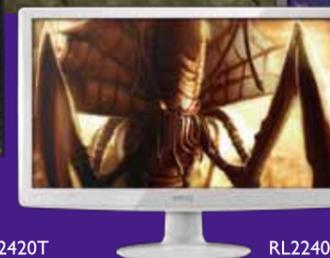


BenQ Professional Gaming Monitors

Designed by Legendary Gamers to  
Raise Your Performance in FPS and RTS Gaming.



XL2420T



RL2240H



RL2450HT



Enjoyment Matters



# Gaming is in the Details

Gaming at a professional level requires skills, expertise and determination. To meet these needs, BenQ invites world-renowned professional gamers to design monitors that compete at the highest level. Accordingly, BenQ XL and RL Series monitors are the designated competition-grade monitors at most professional gaming tournaments and the preferred training monitors of many of the world's top teams.

When a split second could cost you the game, every detail becomes integral in securing a victory. The all-new XL and RL Series embody the axiom that gaming is in the details, delivering the form and function gamers need to gain a competitive edge, total control and accuracy – making the game play experience more enjoyable and compelling. It's no wonder that BenQ gaming monitors have been singled out for numerous industry and media design awards.

## Design Awards



## Training Monitor of Choice



## Tournaments and Partners



# The Secret Keys to Winning

Step up to the challenge and come out as a champion with these exclusive features found on the XL and RL Series to help you see, play and execute your tactics better.



## Black eQualizer

The Black eQualizer gives gamers a high level of visibility. Via exclusive color engine technology, dark scenes are brightened without over-exposing the bright areas so details won't be lost, allowing gamers to easily spot their enemies in critical combat.



without Black eQualizer



with Black eQualizer

## Smart Scaling

Take advantage of the Smart Scaling button and enjoy the flexibility to freely adjust the screen content to any custom size. You can use Smart Scaling alongside the Display Mode to get the best possible view for any application or game.

## Display Mode

Choose from several different monitor sizes readily. The Display Mode hotkey allows you to interchange instantly between different screen formats. With just one monitor, you can simulate any game play and practice under different display sizes for tournaments.



## Instant Mode

The built-in Instant Mode means lower input lag that synchronizes your mouse motion to the monitor. See your opponents the moment they flinch and track their every move accurately.

## 2ms GTG

Fast response time of 2ms GTG means fast-moving action and dramatic transitions will be rendered smoothly – without smearing or ghosting. Control your gaming destiny and not leave it in the hands of slow display.



Conventional Monitor



BenQ XL2420T

## 12M:1 Dynamic Contrast Ratio

The gaming monitors have a high contrast ratio of 12M:1 to display vibrant images with in-depth definition for optimum viewing pleasure.

## Height Adjustment Stand

Effortlessly adjust the monitor height and angle to your sight level. The monitor can be turned vertically or horizontally and comes with a quick-release VESA mount design.

## LED Backlight Monitor

Superb contrast ratio, brightness and details are achieved on our energy-efficient LED backlight monitor. The entire screen produces constant illumination for vibrant colors.



## Intuitive UI

The all-new OSD design enables you to conveniently change your settings in an intuitive horizontal slide out menu display. The side buttons correspond to specific functions and layers to allow you to easily navigate between options and settings. Quickly change between settings at a touch of a button.

# XL ULTIMATE ESPORTS GAMING MONITOR



The XL Series is co-developed with prominent Counter-Strike legends, HeatoN and SpawN that brought together fundamental gaming insights from first-person shooter games. This ingenious collaboration resulted in the 120Hz XL2420T and XL2420TX, two exciting new gaming monitors that are packed with exclusive new features such as the S Switch, Black eQualizer, FPS Mode and Game Mode Loader. Take advantage of the super fast response rate and razor-sharp clarity and don't let hardware shortcomings compromise your winning chances.



## FPS Mode

The preset FPS Mode tailored by Counter-Strike legends gives you the optimal brightness, contrast, sharpness and color tint you need to spot and track your opponents' every move, even in indistinct situations. This year, there are two variations to this special mode: the FPS1 Mode is designed for Counter-Strike 1.6 and the FPS2 Mode for Counter-Strike Source. The perfect combination of form and function provides gamers with the vantage point to always be one step ahead of the game.

## 120Hz

With a refresh rate of 120Hz, there's never a lag between what's happening in the game. Every in-game details will be smoothly rendered. Spot your opponents the instant they make a move and closely track their every action. Drawing on hyper-speed video processing technology, the XL Series gives you on-screen action and captivating realism.



## NVIDIA® 3D Vision™ 2

The XL Series is certified as NVIDIA® 3D Vision™ 2-ready with the new NVIDIA 3D LightBoost™ technology to provide you with brighter and clearer 3D images. Now you can experience gaming and entertainment like never before with total realism and intensive 3D graphic display.



## Game Mode Loader

The secret is out. Download special gaming presets used by legendary gamers to see what the pros see. Each mode is fine-tuned so you can leverage these exclusive presets used by pro gamers to your own advantage. They can also be saved onto your S Switch for quick access and game play. More presets from legendary gamers will be released in the future so you can always stay on top of your game.



## S Switch

The XL Series comes with a stylish S Switch. On this unique remote controller, you're able to customize and save your display settings for gaming and entertainment purposes. Use the scroll button on the S Switch to quickly navigate and change your OSD settings. Now, switching seamlessly between the presets is as easy as 1-2-3.

# RL PROFESSIONAL RTS GAMING MONITOR

The RL Series is created in collaboration with StarTale, a world-leading StarCraft II team, to give you an unprecedented level of control in real-time strategy games. The RL2240H, RL2450H, and RL2450HT carry the BenQ signature gaming features: Black eQualizer, Display Mode and Smart Scaling – with the RL2450HT offering an additional custom height adjustment stand for gamers that seek extra viewing flexibility. Now, you can have a professional gaming monitor specifically designed for your RTS game play.



## RTS Mode

The preset RTS Mode fine-tunes your monitor image display settings such as brightness, contrast and color tint accordingly for RTS gaming. See your enemies more visibly among the distractions and darkened areas. Get the competitive edge you need with optimized color and contrast exposures.

\*Specifications may vary by model. Please refer to the specification sheet for more details.

\*All comparison photos are simulated images.

