Lenovo
LEGION

Lenovo Legion 27Q-20 Monitor

ENGINEERED FOR COMPETITIVE PRECISION.

Play to win with the Legion 27Q-20. A 27-inch QHD Lenovo PureSight display delivers sharp, detailed visuals, while a native 320Hz refresh rate ensures ultra-smooth gameplay and rapid responsiveness for competitive play. VESA DisplayHDR™ 400 enhances contrast and depth for richer, more immersive gaming experiences, helping you see every advantage and stay locked in with confidence.



QHD

Pro-level gaming visuals

- **Sharp detail and clarity**
  A 27-inch PureSight QHD (2560 x 1440) Fast IPS display delivers sharp detail, rich visuals, and wide viewing angles for a more immersive gaming experience.
- **Rich, competition-ready color**
  With 99% sRGB and 95% DCI-P3 color coverage, plus factory calibrated Delta E < 2 color accuracy, game worlds appear vibrant, accurate, and consistent.
- **HDR-enhanced depth and detail**
  VESA DisplayHDR™ 400 enhances contrast with brighter highlights and deeper shadows, while 1.07 billion colors and 400 nits brightness reveal greater depth, realism, and detail in every scene.

320Hz

Speed built for competition

- **320Hz high refresh rate**
  A 320Hz fast refresh rate delivers exceptionally fluid motion, helping you track fast-moving targets with greater precision during competitive play.
- **Tear-free, distraction-free gameplay**
  AMD FreeSync™ Premium, Adaptive Sync, and NVIDIA® G-SYNC® Compatible support help eliminate screen tearing and stutter for smoother, more responsive gameplay.
- **Near-instantaneous response time**
  With 1ms GtG and 0.5ms MPRT[1] response times, motion blur and ghosting are minimized so every action stays sharp and responsive.

Play longer. Play smarter

- **AI-powered gaming**
  Experience AI-powered gaming features through Legion Space, with AI Crosshair and Game Companion enhancing competitive performance, while AI Walkthrough and Win-moment show make every gaming session more immersive, engaging, and rewarding.
- **Focus View for tournament-ready play**
  Focus View transforms the 27-inch display into a native 24.5-inch competitive viewport with darkened side borders, replicating the tournament-standard screen format favored by professional FPS players. This focused setup helps improve target tracking, reduce distractions, and deliver a more authentic competitive training experience.
- **Ergonomic comfort for every session**
  The full-function LTPS stand with an ultra-thin base offers lift, tilt, pivot, and swivel adjustments, making it easy to find the ideal setup for lasting gaming comfort.

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SPECIFICATIONS

DISPLAY

Panel Size	27-inch
Screen Dimensions	608.5 mm x 349.1 mm
Panel Type	3-sided NearEdgeless, In-Plane Switching
Active Area	596.7 mm x 335.6 mm
Backlight	WLED
Aspect Ratio	16:9
Resolution	2560 x 1440
Pixel Pitch	0.2331 mm x 0.2331 mm
Dot/Pixel Per Inch (DPI/PPI)	108
Viewing Angle (H x V @ CR 10:1)	178° / 178°
Response Time	0.5ms (MPRT[1]), 1ms (Level 4), 2ms (Level 3), 3ms (Level 2), 4ms (Level 1), 5ms (Off)
Refresh Rate	320Hz
Brightness (Typical)	400 cd/m²
Brightness (Peak)	400 cd/m²
Contrast Ratio (Typical)	1000:1
Dynamic Contrast Ratio (Typical)	3M:1
Color Gamut (Coverage Ratio)	99% sRGB (CIE 1931), 95% DCI-P3 (CIE 1976)
Color Gamut (Area Ratio)	124.2% sRGB, 98.97% DCI-P3
Color Support (Typical)	1.07 Billion
Color Depth	10-bit (8+FRC)
HDR Compliance	Yes (DisplayHDR™ 400)
Local Dimming	Yes (4 light bars, 2 zones)
Anti-glare	Yes

CONNECTIVITY

Video Signal	2 x HDMI 2.1[2] 1 x DP 1.4 (HBR3)[3]

SPECIAL FEATURES

Factory Calibration	Yes (Avg. Delta E<2 at sRGB)
Software	Lenovo Accessories and Display Manager[4] Legion Space
Sync Technology	AMD FreeSync™ Premium / VESA Adaptive Sync / NVIDIA® G-SYNC® Compatible
Gaming Console Support	Yes
Natural Low Blue Light	Yes
Mirrored Power Button	Yes

POWER

Power Consumption (Typ. / Max.)	31.0W / 56.0W
Power Consumption Sleep/Off Mode	< 0.5W
Power Consumption Switch-Off Mode	< 0.3W
Power Supply	Internal
Voltage Required	AC 100 to 240 V (50-60Hz)

MECHANICAL

Tilt Angle (Front / Back)	-5° / 22°
Swivel Angle (Left / Right)	-30° / 30°
Lift (Max. Range)	135 mm
Pivot	-90° / 90°
VESA Mount Capability	Yes (100 x 100 mm)
Kensington Lock Slot	Yes (2.5 mm x 6 mm and 3 mm x 7 mm)
Cable Management	Yes
Bezel Color	Eclipse Black
Minimum Thickness of Head	22.0 mm
Bezel Width (Side)	2.1 mm
Bezel Width (Top)	2.1 mm
Bezel Width (Bottom)	16.0 mm

DIMENSION

Size Packed (W x D x H, mm/inch)	815.0 x 141.0 x 500.0 mm 32.09 x 5.55 x 19.68 inches
Size Unpacked with Stand (Highest Position) (W x D x H, mm/inch)	613.5 x 200.0 x 546.5 mm 24.15 x 7.87 x 21.52 inches
Size Unpacked with Stand (Lowest Position) (W x D x H, mm/inch)	613.5 x 200.0 x 411.5 mm 24.15 x 7.87 x 21.52 inches
Size Unpacked without Stand (Head Only) (W x D x H, mm/inch)	613.5 x 55.5 x 362.2 mm 24.15 x 2.19 x 14.26 inches
Weight Packed (kg / lbs.)	EPS : 8.6 kg / 18.9 lbs. Green: 9.7 kg / 21.4 lbs.
Weight Unpacked (kg / lbs.)	6.4 kg / 14.1 lbs.
Weight (Head only) (kg / lbs.)	4.0 kg / 8.8 lbs.

WHAT'S IN THE BOX

Monitor with Stand	Yes
Power Cable (Cable Length)	1 x Power Cable (1.8 m)
DP Cable (Cable Length)	1 x DP 1.4 Cable (1.8 m)
Factory Calibration Report	Yes
Quick Setup Guide	Yes
Warranty Booklet	Yes

CERTIFICATION

RoHS (2011/65/EU)	Yes
Volatile Organic Compound Certification	Yes
Windows Certification	Windows 10, Windows 11
EU Energy Level Certification	Yes (Level-F)
China Energy Efficiency Standard	Tier 2
TÜV Rheinland® Low Blue Light (Hardware Solution)	Yes
Eyesafe Display Certification	Yes (Eyesafe 2.0)
Native Gaming Performance	Yes (4 Star)



[1] Moving Picture Response Time (MPRT) improves the response time and reduces motion blur in the monitor. Enabling MPRT will disable AMD FreeSync™, and you may notice a negligible flicker. | [2] Supports 2560 x 1440 @ 320Hz as specified in HDMI 2.1. | [3] Supports 2560 x 1440 @ 320Hz bandwidth 32.4Gbps. | [4] Formerly Lenovo Display Control Center. Supports Windows 10 & 11, Mac OS (functions vary across systems).

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Specifications may vary depending upon region.