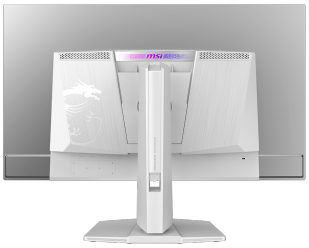
MONITORS

MPG 321URXW QD-OLED







SPECIFICATIONS

Panel Size	31.5“
Active Display Area (mm)	699.48(H) x 394.73(V)
Curvature	Flat
Panel Type	QD-OLED
Panel Resolution	3840 x 2160 (UHD)
Pixel Pitch (H x V)	0.1814 (H) x 0.1814 (V)
Aspect Ratio	16:9
Brightness (nits)	SDR: 250 HDR: 450 (Typ.) (True Black 400 with 10% APL) 1000 (Typ.) (Peak 1000 with 3% APL)
Contrast Ratio	1500000:1 (Typ.)
DCR	N/A
Signal Frequency	104.88~565.44 KHz(H) / 48~240.39 Hz(V)
ACTIVATED RANGE	48~240Hz
Refresh Rate	240Hz
Response time	0.03ms (GtG)
DYNAMIC REFRESH RATE TECHNOLOGY	G-Sync Compatible
HDR Support	DisplayHDR True Black 400
Video ports	1 x DisplayPort 1.4a 2 x HDMI™ 2.1 (UHD@240Hz) 1 x Type-C (DP alt.) w/PD 90W
USB ports	2 x USB 2.0 Type-A 1 x USB 2.0 Type-B
Audio ports	1 x Headphone-out
Viewing Angle	178°(H) / 178°(V)
Adobe RGB / DCI-P3 / sRGB	97% / 99% / 138%
Surface Treatment	Anti-Reflection
Display Colors	1.07B ,10 bits
Power Type	Internal Power Board
Power Input	100-240V~ 50/60Hz
Adjustment (Tilt)	-5° ~ 15°
Adjustment (Swivel)	-30° ~ 30°
Adjustment (Pivot)	-10° ~ 10°
Adjustment (Height)	0 ~ 110 mm
Kensington Lock	Yes
Carton Dimension (W X D X H)	975 x 185 x 515 mm (38.3 x 7.2 x 20.2 inch)

FEATURES

QD-OLED Display

MSI's renowned QD tech, combined with the latest OLED panel technology, these displays exhibit the best picture quality and incredible high contrast when gaming

240Hz Extremely High Refresh Rate

Experience smooth gaming with a blazing fast 240Hz refresh rate, that gives you the upper hand in fast moving games.

Fastest 0.03 Response time

Response time is much faster and smoother than conventional LCD displays. The response time is up to 0.03 ms GtG exceeds the most mainstream refresh rates requirements.

OLED Care 2.0

MSI has developed a more advanced version to provide several care services and significantly reduce the chances of OLED screen aging.

Gaming Intelligence

A new dawn of AI gaming, including Smart Brightness, Smart Crosshair, Night Vision AI, and Sound Tune.

USB Type-C Power Delivery 90W

Built-in an USB Type-C connection with 90W power delivery allows you to effortlessly connect to and charge your devices.

Graphene film with Custom Heatsink

Graphene film and customized heatsink designs, the synergy between these two elements enables monitor to operate without an active cooling fan, achieving a fanless design. This ensures efficient and silent heat dispersion, further extending the panel's lifespan.

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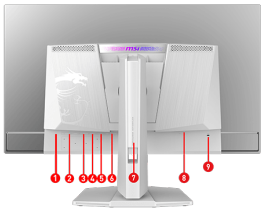
MPG 321URXW QD-OLED

Dimension with Stand (W x D x H)	718 x 242 x 483 mm (28.2 x 9.5 x 19.0 inch)
Dimension without Stand (W x D x H)	718 x 69 x 418 mm (28.2 x 2.7 x 16.4 inch)
Frameless Design	Yes
PIP / PBP Function	Yes
VESA Mounting	100 x 100 mm
Weight (NW / GW)	9.6 kg (21.1 lbs) / 12.3 kg (27.1 lbs)
Note	Display Port: 3840 x 2160 (Up to 240Hz) HDMI™: 3840 x 2160 (Up to 240Hz) Type C(DP alt.): 3840 x 2160 (Up to 240Hz) and 90W PD charging Support: HDMI™ CEC, KVM, PIP/PBP
Accessories	1x HDMI™ Cable (2.1), 1x DisplayPort Cable (1.4a), 1x Power Cord (C13), 1x Quick Guide, 1x USB Type-B to A Cable, 4x VESA Wall Mount Screw
Warranty	3 years (including panel burn-in)

CONNECTIONS



1. Earphone out
2. 2 x HDMI ™ (2.1)
3. Display Port (1.4a)
4. USB Type-C (PD 90W)
5. USB 2.0 Type-B
6. 2 x USB 2.0 Type-A
7. 5-way Joystick Navigator
8. AC Power Jack
9. Kensington lock

Generated 2026-09-30, check for the latest version www.msi.com/datasheet. The information provided in this document is intended for informational purposes only and is subject to change without notice.

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