



# **SPECIFICATIONS**

in DisplayPort 1.2a with overclocking)  USB ports  N/A  Audio ports  1x Earphone out  Viewing Angle  178° (H) / 178° (V)  Adobe RGB / DCI-P3 / sRGB  Surface Treatment  Display Colors  16.7M  Power Type  External Adaptor 20V 2.25A  Power Input  100~240V, 50/60Hz  Adjustment (Tilt)  -5° ~ 20°  Adjustment (Swivel)  Adjustment (Pivot)  Adjustment (Height)  Company 1.2a with overclocking)  1x Earphone out  178° (H) / 178° (V)  86.52% / 81.64% / 102.58%  86.52% / 81.64% / 81.64%  86.52% / 81.64% / 81.64%  86	Panel Size	23.8" (60cm)
Panel Type         IPS           Panel Resolution         1920 x 1080 (FHD)           Pixel Pitch (H x V)         0.2745(H)x0.2745(V)           Aspect Ratio         16:9           Brightness (nits)         250           Contrast Ratio         1100:1           DCR         100000000:1           Signal Frequency         30~100 KHz(H) / 48~170 Hz(V)           Refresh Rate         170Hz           Response time         1ms (MPRT)           DYNAMIC REFRESH RATE TECHNOLOGY         Adaptive sync           HDR Support         N/A           Video ports         N/A           Video ports         N/A           Video ports         N/A           N/A         N/A           Audio ports         1x Earphone out           Viewing Angle         178° (H) / 178° (V)           Adobe RGB / DCI-P3 / sRGB         36.52% / 81.64% / 102.58%           Surface Treatment         Anti-glare           Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)	Active Display Area (mm)	527.04(H) x 296.46(V)
Panel Resolution         1920 x 1080 (FHD)           Pixel Pitch (H x V)         0.2745(H)x0.2745(V)           Aspect Ratio         16:9           Brightness (nits)         250           Contrast Ratio         1100:1           DCR         100000000:1           Signal Frequency         30~100 KHz(H) / 48~170 Hz(V)           Refresh Rate         170Hz           Response time         1ms (MPRT)           DYNAMIC REFRESH RATE TECHNOLOGY         Adaptive sync           HDR Support         N/A           2x HDMI™ (Supports FHD@144Hz as specified in HDMI™ 1.4b)           1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)           USB ports         N/A           Audio ports         1x Earphone out           Viewing Angle         178° (H) / 178° (V)           Adobe RGB / DCI-P3 / sRGB         86.52% / 81.64% / 102.58%           Surface Treatment         Anti-glare           Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensingto	Curvature	Flat
Pixel Pitch (H x V)         0.2745(H)x0.2745(V)           Aspect Ratio         16:9           Brightness (nits)         250           Contrast Ratio         1100:1           DCR         100000000:1           Signal Frequency         30~100 KHz(H) / 48~170 Hz(V)           Refresh Rate         170Hz           Response time         1ms (MPRT)           DYNAMIC REFRESH RATE TECHNOLOGY         Adaptive sync           HDR Support         N/A           Video ports         N/A           Video ports         N/A           USB ports         N/A           Audio ports         1x Earphone out           Viewing Angle         178° (H) / 178° (V)           Adobe RGB / DCI-P3 / sRGB         86.52% / 81.64% / 102.58%           Surface Treatment         Anti-glare           Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Panel Type	IPS
Aspect Ratio 16:9  Brightness (nits) 250  Contrast Ratio 1100:1  DCR 100000000:1  Signal Frequency 30~100 KHz(H) / 48~170 Hz(V)  Refresh Rate 170Hz  Response time 1ms (MPRT)  DYNAMIC REFRESH RATE TECHNOLOGY Adaptive sync  Video ports N/A  Video ports N/A  USB ports N/A  Audio ports N/A  Audio ports 1x Earphone out  Viewing Angle 178° (H) / 178° (V)  Adobe RGB / DCI-P3 / sRGB 86.52% / 81.64% / 102.58%  Surface Treatment Anti-glare  Display Colors 16.7M  Power Type External Adaptor 20V 2.25A  Power Input 100~240V, 50/60Hz  Adjustment (Tilt) -5° ~ 20°  Adjustment (Swivel) -45° ~ 45°  Adjustment (Height) 0 ~ 130 mm  Kensington Lock Yes	Panel Resolution	1920 x 1080 (FHD)
Dec	Pixel Pitch (H x V)	0.2745(H)x0.2745(V)
Contrast Ratio         1100:1           DCR         100000000:1           Signal Frequency         30~100 KHz(H) / 48~170 Hz(V)           Refresh Rate         170Hz           Response time         Ims (MPRT)           DYNAMIC REFRESH RATE TECHNOLOGY         Adaptive sync           HDR Support         N/A           Video ports         N/A           2x HDMI™ (Supports FHD@144Hz as specified in HDMI™ 1.4b)           1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)           USB ports         N/A           Audio ports         1x Earphone out           Viewing Angle         178° (H) / 178° (V)           Adobe RGB / DCI-P3 / sRGB         86.52% / 81.64% / 102.58%           Surface Treatment         Anti-glare           Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Swivel)         -45° ~ 45°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Aspect Ratio	16:9
DCR         100000000:1           Signal Frequency         30~100 KHz(H) / 48~170 Hz(V)           Refresh Rate         170Hz           Response time         1ms (MPRT)           DYNAMIC REFRESH RATE TECHNOLOGY         Adaptive sync           HDR Support         N/A           Video ports         N/A           USB ports         N/A           Audio ports         1x Earphone out           Viewing Angle         178° (H) / 178° (V)           Adobe RGB / DCI-P3 / sRGB         86.52% / 81.64% / 102.58%           Surface Treatment         Anti-glare           Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Brightness (nits)	250
Signal Frequency       30~100 KHz(H) / 48~170 Hz(V)         Refresh Rate       170Hz         Response time       1ms (MPRT)         DYNAMIC REFRESH RATE TECHNOLOGY       Adaptive sync         HDR Support       N/A         2x HDMI™ (Supports FHD@144Hz as specified in HDMI™ 1.4b)         1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)         USB ports       N/A         Audio ports       1x Earphone out         Viewing Angle       178° (H) / 178° (V)         Adobe RGB / DCI-P3 / sRGB       86.52% / 81.64% / 102.58%         Surface Treatment       Anti-glare         Display Colors       16.7M         Power Type       External Adaptor 20V 2.25A         Power Input       100~240V, 50/60Hz         Adjustment (Tilt)       -5° ~ 20°         Adjustment (Swivel)       -45° ~ 45°         Adjustment (Pivot)       -90° ~ 90°         Adjustment (Height)       0 ~ 130 mm         Kensington Lock       Yes	Contrast Ratio	1100:1
Refresh Rate  Response time  DYNAMIC REFRESH RATE TECHNOLOGY  HDR Support  N/A  Video ports  N/A  Video ports  N/A  Lamp (Supports FHD@144Hz as specified in HDMI™ 1.4b) 1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)  N/A  Audio ports  N/A  Audio ports  N/A  Audio ports  Ix Earphone out  Viewing Angle  178° (H) / 178° (V)  Adobe RGB / DCI-P3 / sRGB  86.52% / 81.64% / 102.58%  Surface Treatment  Display Colors  16.7M  Power Type  External Adaptor 20V 2.25A  Power Input  Adjustment (Tilt)  -5° ~ 20°  Adjustment (Swivel)  Adjustment (Pivot)  -90° ~ 90°  Adjustment (Height)  Kensington Lock  Yes	DCR	100000000:1
Response time1ms (MPRT)DYNAMIC REFRESH RATE TECHNOLOGYAdaptive syncHDR SupportN/AVideo ports2x HDMI™ (Supports FHD@144Hz as specified in HDMI™ 1.4b) 1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)USB portsN/AAudio ports1x Earphone outViewing Angle178° (H) / 178° (V)Adobe RGB / DCI-P3 / sRGB86.52% / 81.64% / 102.58%Surface TreatmentAnti-glareDisplay Colors16.7MPower TypeExternal Adaptor 20V 2.25APower Input100~240V, 50/60HzAdjustment (Tilt)-5° ~ 20°Adjustment (Swivel)-45° ~ 45°Adjustment (Pivot)-90° ~ 90°Adjustment (Height)0 ~ 130 mmKensington LockYes	Signal Frequency	30~100 KHz(H) / 48~170 Hz(V)
DYNAMIC REFRESH RATE TECHNOLOGY HDR Support  N/A  Video ports  Video ports  N/A  Audio ports  N/A  N/A  N/A  Audio ports  N/A  N/A  N/A  N/A  Audio ports  N/A  N/A  N/A  Audio ports  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	Refresh Rate	170Hz
TECHNOLOGY  HDR Support  N/A  2x HDMI™ (Supports FHD@144Hz as specified in HDMI™ 1.4b) 1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)  USB ports  N/A  Audio ports  1x Earphone out  Viewing Angle  178° (H) / 178° (V)  Adobe RGB / DCI-P3 / sRGB  Surface Treatment  Display Colors  16.7M  Power Type  External Adaptor 20V 2.25A  Power Input  100~240V, 50/60Hz  Adjustment (Tilt)  -5° ~ 20°  Adjustment (Swivel)  Adjustment (Pivot)  Adjustment (Height)  C ~ 130 mm  Kensington Lock  Yes	Response time	1ms (MPRT)
Video ports       2x HDMI™ (Supports FHD@144Hz as specified in HDMI™ 1.4b) 1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)         USB ports       N/A         Audio ports       1x Earphone out         Viewing Angle       178° (H) / 178° (V)         Adobe RGB / DCI-P3 / sRGB       86.52% / 81.64% / 102.58%         Surface Treatment       Anti-glare         Display Colors       16.7M         Power Type       External Adaptor 20V 2.25A         Power Input       100~240V, 50/60Hz         Adjustment (Tilt)       -5° ~ 20°         Adjustment (Swivel)       -45° ~ 45°         Adjustment (Pivot)       -90° ~ 90°         Adjustment (Height)       0 ~ 130 mm         Kensington Lock       Yes		Adaptive sync
Video ports       specified in HDMI™ 1.4b)       1x DP (Supports FHD@170Hz as specified in DisplayPort 1.2a with overclocking)         USB ports       N/A         Audio ports       1x Earphone out         Viewing Angle       178° (H) / 178° (V)         Adobe RGB / DCI-P3 / sRGB       86.52% / 81.64% / 102.58%         Surface Treatment       Anti-glare         Display Colors       16.7M         Power Type       External Adaptor 20V 2.25A         Power Input       100~240V, 50/60Hz         Adjustment (Tilt)       -5° ~ 20°         Adjustment (Swivel)       -45° ~ 45°         Adjustment (Pivot)       -90° ~ 90°         Adjustment (Height)       0 ~ 130 mm         Kensington Lock       Yes	HDR Support	N/A
Audio ports         1x Earphone out           Viewing Angle         178° (H) / 178° (V)           Adobe RGB / DCI-P3 / sRGB         86.52% / 81.64% / 102.58%           Surface Treatment         Anti-glare           Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Swivel)         -45° ~ 45°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Video ports	specified in HDMI™ 1.4b) 1x DP (Supports FHD@170Hz as specified
Viewing Angle         178° (H) / 178° (V)           Adobe RGB / DCI-P3 / sRGB         86.52% / 81.64% / 102.58%           Surface Treatment         Anti-glare           Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Swivel)         -45° ~ 45°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	USB ports	N/A
Adobe RGB / DCI-P3 / sRGB       86.52% / 81.64% / 102.58%         Surface Treatment       Anti-glare         Display Colors       16.7M         Power Type       External Adaptor 20V 2.25A         Power Input       100~240V, 50/60Hz         Adjustment (Tilt)       -5° ~ 20°         Adjustment (Swivel)       -45° ~ 45°         Adjustment (Pivot)       -90° ~ 90°         Adjustment (Height)       0 ~ 130 mm         Kensington Lock       Yes	Audio ports	1x Earphone out
Surface Treatment         Anti-glare           Display Colors         16.7 M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Swivel)         -45° ~ 45°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Viewing Angle	178° (H) / 178° (V)
Display Colors         16.7M           Power Type         External Adaptor 20V 2.25A           Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Swivel)         -45° ~ 45°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Adobe RGB / DCI-P3 / sRGB	86.52% / 81.64% / 102.58%
Power Type External Adaptor 20V 2.25A  Power Input 100~240V, 50/60Hz  Adjustment (Tilt) -5° ~ 20°  Adjustment (Swivel) -45° ~ 45°  Adjustment (Pivot) -90° ~ 90°  Adjustment (Height) 0 ~ 130 mm  Kensington Lock Yes	Surface Treatment	Anti-glare
Power Input         100~240V, 50/60Hz           Adjustment (Tilt)         -5° ~ 20°           Adjustment (Swivel)         -45° ~ 45°           Adjustment (Pivot)         -90° ~ 90°           Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Display Colors	16.7M
Adjustment (Tilt) $-5^{\circ} \sim 20^{\circ}$ Adjustment (Swivel) $-45^{\circ} \sim 45^{\circ}$ Adjustment (Pivot) $-90^{\circ} \sim 90^{\circ}$ Adjustment (Height) $0 \sim 130 \text{ mm}$ Kensington LockYes	Power Type	External Adaptor 20V 2.25A
Adjustment (Swivel)       -45° ~ 45°         Adjustment (Pivot)       -90° ~ 90°         Adjustment (Height)       0 ~ 130 mm         Kensington Lock       Yes	Power Input	100~240V, 50/60Hz
Adjustment (Pivot)       -90° ~ 90°         Adjustment (Height)       0 ~ 130 mm         Kensington Lock       Yes	Adjustment (Tilt)	-5° ~ 20°
Adjustment (Height)         0 ~ 130 mm           Kensington Lock         Yes	Adjustment (Swivel)	-45° ~ 45°
Kensington Lock Yes	Adjustment (Pivot)	-90° ~ 90°
. <del></del>	Adjustment (Height)	0 ~ 130 mm
Control 5-way OSD navigation joystick	Kensington Lock	Yes
5-way 03b havigation joystick	Control	5-way OSD navigation joystick
ACTIVATED RANGE 48 to 170Hz	ACTIVATED RANGE	48 to 170Hz
Color Bit 8 Bits	Color Bit	8 Bits
Power consumption On-mode: 18 (KWh/1000h) / Off-mode: 0. (KWh/1000h)	Power consumption	On-mode: 18 (KWh/1000h) / Off-mode: 0.3 (KWh/1000h)

# **FEATURES**



#### **eSports Gaming**

MSI eSports gaming monitor will enhance your competitive gameplay to ensure you are always at your best levels.



**PANEL** Wider viewing angles and the most realistic and accurate colors.



### 170Hz High Refresh Rate

Experience smooth gaming with 170Hz refresh rate, that gives you the upperhand in fast moving games.



## **1ms Fast Response Time**

Eliminate screen tearing and choppy frame rates with 1ms response time.



## **Wide Color Gamut**

wide Color Game colors and details will look more realistic and refined, to | || Gamut | push game immersion to its limits.



#### **Night Vision**

See every detail clearly in the dark, helping you find and attack enemies before they notice.



# Console Mode - FHD only

Best solution for console users: FHD@120Hz



# **Adjustable Stand**

Maximize your productivity and comfort with the adjustable



# 

# ALL ABOUT GAMING

Dimension (W x D x H)	540.2 x 233.7 x 399.2 mm 540.2 x 57.1 x 328.2 mm (Without stand)
Console Mode	Support FHD@120Hz
Frameless Design	Yes
PIP / PBP Function	N/A
VESA Mounting	100 x 100 mm
Weight (NW / GW)	3.5kg / 5.1kg without Stand: 2.5kg
Note	Display Port: 1920 x 1080 (Up to 170Hz By DP Over Clocking) HDMI™: 1920 x 1080 (Up to 144Hz) Adobe RGB, DCI-P3 and sRGB follow CIE1976 Standard

# **CONNECTIONS**



- 1. 5-way joystick navigator
- 2. DC jack
- 3. 2 x HDMI<sup>™</sup> (1.4b)
- 4. 1 x Display Port (1.2a)
- 5. Headphone out
- 6. Kensington lock