



Spectrum One specifications

device family

Spectrum One

model(s)

ES07D03 (matte)

EAN 4897118180054

ES07DC9 (glossy)

EAN 4897118180498

ES07E30 (cover glass)

EAN 4897118180542

Display

Size

monitor size	27" (diagonal)
display area	597×336mm
aspect ratio	16 : 9

Image quality

native resolution	3840×2160 pixels 4K Ultra-HD
pixel pitch	0.1557mm
pixel density	163ppi
brightness	450cd/m ² typical 750cd/m ² peak
HDR	HDR10 Media Profile VESA DisplayHDR600 certified
displayable colors	1.07 billion
color gamut	98% DCI-P3 100% sRGB
color depth	10-bit (8-bit + A-FRC)
color accuracy	Individual factory calibration D65 white point, average $\Delta E < 1$ (typical)
contrast ratio	1000 : 1 typical 10 000 000 : 1 dynamic
viewing angles	178° horizontal 178° vertical
surface treatment	Low-haze anti-glare matte coating (model ES07D03) Low-haze anti-reflective glossy coating (model ES07DC9) Corning Gorilla Glass 3 with DXC anti-reflective treatment (model ES07E30)
response time	5ms (gray-to-gray) typical 1ms (gray-to-gray) overdrive
frequency range	48 – 144Hz
adaptive sync	48 – 144Hz VESA AdaptiveSync Display certified NVIDIA G-SYNC Compatible certified AMD FreeSync Premium Pro certified

Technology

panel technology	Nano IPS Oxide TFT LCD
backlight technology	Bottom edge-lit white LED with KSF nano-particle layer Flicker free backlight without pulse-width modulation (PWM)
backlight dimming	No dynamic dimming in SDR mode 16-zone local dimming in HDR mode
curved panel	No
touch-enabled	No
pen-enabled	No

Ports

Video input

HDMI (2x)	HDMI 2.1 video input with 48Gbps of bandwidth, and support for: <ul style="list-style-type: none"> - enhanced display data channel (E-DDC); - HDR10 media profile; - variable refresh rate (VRR); and - high-bandwidth digital content protection (HDCP) 2.2
DisplayPort (1x)	DisplayPort 1.4 video input with support for: <ul style="list-style-type: none"> - high bit rate 3 (HBR3) transmission mode; - display stream compression (DSC) 1.2; - enhanced display data channel (E-DDC); - HDR10 media profile; - variable refresh rate (VRR); and - high-bandwidth digital content protection (HDCP) 2.2
USB Type-C (1x)	DisplayPort 1.4 video input with support for: <ul style="list-style-type: none"> - high bit rate 3 (HBR3) transmission mode; - display stream compression (DSC) 1.2; - enhanced display data channel (E-DDC); - HDR10 media profile; - variable refresh rate (VRR); and - high-bandwidth digital content protection (HDCP) 2.2 SuperSpeed+ USB (USB 3.1 Gen 2, up to 10Gbps) upstream connection to computer Power output up to 20V --- 5A (100W) (USB PD 3.0)

USB hub

USB Type-C (1x)	SuperSpeed USB 10Gbps (USB 3.1 Gen 2, up to 10Gbps) Power output up to 5V = 3A (15W)
USB Type-A (2x)	SuperSpeed USB 10Gbps (USB 3.1 Gen 2, up to 10Gbps) Power output up to 5V = 2A (10W)
USB Type-B upstream (1x)	SuperSpeed+ USB (USB 3.1 Gen 2, up to 10Gbps) upstream connection to computer (In addition to the USB Type-C port with video input)

Audio

3.5mm audio output (1x)	Analog audio output from video input source
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Features

Adjustable **Backlight strobing** reduces eye-tracking motion blur and increases the clarity of objects that move quickly across the screen.

Adjustable **Overdrive** lets you balance high-speed performance and image quality to best suit your needs.

The **Pre-sets** have been tuned by Blur Busters for great performance straight out of the box.

A **Crosshair overlay** assists your aim and gives a competitive advantage.

A **Frame counter overlay** shows you how well your system performs and helps pick the right settings for any game.

Pixel-perfect upscaling, using integer-ratio pixel duplication for low-resolution input signals, maintains the iconic look of pixel art and keeps retro games looking crisp.

The **USB Type-C port** lets you connect the monitor and its built-in USB hub to your mobile device with a single cable while also charging it at up to 100W.

Split-screen mode places the screens from two computers side-by-side so you can keep an eye on everything at once.

User-upgradable firmware allows development to continue based on customer feedback, to tweak existing features and unlock new ones.

monitor mount support	Yes, VESA Mounting Interface Standard 100x100mm
security cable support	Yes, Kensington lock compatible
built-in speakers	No

Adjustment

controls	1× Power button 1× 5-Way joystick Controls are centered on the back of the monitor
status light	1× Power indicator light User-adjustable behavior and color (Default: solid white when on, pulsing white in standby)
OSD languages	English, Chinese, French, German, Japanese, Spanish

Stand

material	Cast aluminum alloy
vertical tilt	7° down, 23° up
horizontal swivel	No
pivot / landscape rotation	90° left, 90° right
height adjust	122mm
removable	Yes, with quick-release button



NOTE: The Dough Spectrum Stand (ES07D04) is sold separately.

Size and weight

dimensions, monitor with stand (W×H×D)	607×571×227mm landscape, highest 607×449×227mm landscape, lowest 351×707×227mm portrait, highest 351×617×227mm portrait, lowest
dimensions, monitor only (W×H×D)	607×351×44mm 696×446×137mm with box
dimensions, stand only (W×H×D)	200×430×227mm 532×212×135mm with box
weight, monitor with stand	7.0kg
weight, monitor only	5.0kg 8.2kg with box
weight, stand only	2.0kg 3.0kg with box

Electrical and operating requirements

operating conditions	0 – 35°C 20 – 80% RH
storage conditions	-20 – 60°C 20 – 80% RH
power consumption	59W typical 222W maximum 0.49W standby
power input	19.5V $\overline{=}$ 11.8A 
power supply type	External power adapter
power supply input	110 – 240V \sim 3.5A 50 – 60Hz

Limited warranty

3 years limited warranty
'Zero bright dot' pixel policy



NOTE: For warranty details or instructions, please refer to the Spectrum warranty policy.

In the box

Dough Spectrum One
Power adapter
Power cable
Quick start guide
Color calibration report