



Spectrum Black specifications

device family

Spectrum Black

model(s)

ES07E2F (matte)

ES07E2D (cover glass)

EAN 4897118180535

EAN 4897118180511

Thursday, 30 November, 2023

Dough Spectrum Black specifications (ES07E2D / ES07E2F) Rev. 11



Display

Size

monitor size	26.5" (diagonal)
display area	590×334mm
aspect ratio	16 : 9

Image quality

native resolution	2560×1440 pixels Quad-HD
pixel pitch	0.2292mm
pixel density	112ppi
brightness	150cd/m ² typical 450cd/m ² peak 1000cd/m ² peak (HDR, 3% of screen)
HDR	HDR10 Media Profile VESA DisplayHDR True Black 400 certified
displayable colors	1.07 billion
color gamut	98.5% DCI-P3 100% sRGB
color depth	10-bit
color accuracy	Individual factory calibration D65 white point, average $\Delta E < 1$ (typical)
contrast ratio	1 500 000 : 1 typical
viewing angles	178° horizontal 178° vertical
surface treatment	Low-haze anti-glare matte coating (model ES07E2F) Corning Gorilla Glass 3 with DXC anti-reflective treatment (model ES07E2D)
response time	0.03ms (gray-to-gray) typical
frequency range	40 – 240Hz
adaptive sync	48 – 240Hz VESA Adaptive-Sync certified NVIDIA G-SYNC Compatible certified AMD FreeSync Premium Pro certified

Technology

panel technology	3 rd gen White organic light emitting diode (W-OLED) with Micro Lens Array (MLA)
backlight technology	N/A
backlight dimming	N/A
curved panel	No
touch-enabled	No
pen-enabled	No

Ports

Video input

HDMI (2x)	<p>HDMI 2.1a video input with 24Gbps of bandwidth, and support for:</p> <ul style="list-style-type: none"> - source-based tone mapping (SBTM); - display stream compression (DSC) 1.2; - enhanced display data channel (E-DDC); - HDR10 media profile; - variable refresh rate (VRR); - auto low latency mode (ALLM); - quick frame transport (QFT); - quick media switching (QMS); and - high-bandwidth digital content protection (HDCP) 2.2
DisplayPort (1x)	<p>DisplayPort 1.4 video input with support for:</p> <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)	<p>DisplayPort 1.4 video input with support for:</p> <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 <p>SuperSpeed USB 10Gbps (USB 3.1 Gen 2, up to 10Gbps) upstream connection to computer</p> <p>Power output up to 20V \Rightarrow 5A (100W) (USB PD 3.0)</p>

USB hub

USB Type-C (2x)	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 = 1A (5W)
USB Type-C upstream (1x)	SuperSpeed USB 10Gbps (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 With pre-sets for neutral/scooped/bass-boosted equalizer profile.
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Features

Black frame insertion (BFI) reduces eye-tracking motion blur and increases the clarity of objects that move quickly across the screen. (Available between 40 and 120Hz at 50% duty cycle.)

The **Black equalizer** adjusts dark areas of the screen so you can always find your foes.

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.

The **KVM button** lets you quickly switch your monitor and a connected keyboard and mouse between two computers.

User-adjustable **Quick actions** give you quick access to the setting you use most.

Dual-screen mode places the screens from two computers side-by-side (Split-screen mode) or puts one in the corner (Picture-in-picture), 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× KVM 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, Dutch, French, German, Italian, 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 (ES07E31) is sold separately.

Size and weight

dimensions, monitor with stand (W×H×D)	???x???x???mm landscape, highest ???x???x???mm landscape, lowest ???x???x???mm portrait, highest ???x???x???mm portrait, lowest
dimensions, monitor only (W×H×D)	???x???x???mm 679×457×133mm with box
dimensions, stand only (W×H×D)	200×430×227mm 503×219×131mm with box
weight, monitor with stand	8.4kg
weight, monitor only	6.1kg ???kg with box
weight, stand only	2.0kg 3.0kg with box

Electrical and operating requirements

operating conditions	?? – ??°C ?? – ??% RH
storage conditions	?? – ??°C ?? – ??% RH
power consumption	??W typical ??W maximum ??W standby
power input	19.5V \equiv 11.8A 
power supply type	External power adapter
power supply input	110 – 240V \sim 3.5A 50 – 60Hz

Limited warranty

3 years limited warranty

2 years burn-in warranty



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

In the box

Dough Spectrum Black

Power adapter

Power cable

Quick start guide

Color calibration report