

LCD Monitor

Advanced High Brightness Monitor

Features

Ultimate performance

- Ultra brightness up to 1,200 cd/m²
- High contrast and fast response rate
- 90° viewing angle

Easy to use, numerous options

- Spatial & temporal retinal information in 1 test
- Desktop or cart mounted
- Engineering to minimize luminance artifact
- Calibrated luminance and color

Applications

- Clinical diagnostics and monitoring
- Research and development
- Stem cell and genetic research
- Drug discovery and screening
- Clinical trials

Specifications

Features

Hexagonal patterns: 61, 103 and more up to 241 elements
27" (diagonal) monitor
Ultra-wide field stimulus: 90 degrees
Variable size, scale and type of stimulus: hexagonal, dartboard, bar, grating, square stimulus patterns
Variable size, location and color of fixation cross
Full control of reversal rate and onset/offset with frame accuracy
Variable M-sequence length tailored to hex count
Extendable stimulus period using filler frames
Adjustable trigger timing
Full field, half field, quarter field patches

LCD monitor specifications

Brightness	1,200 cd/m ²
Resolution	1920 x 1080
Frame rate	75 Hz
Contrast	3,000:1
Response time	8 millisecond
Aspect ratio	16:9
Colors	16.7 million
Inputs	DVI, analog
Dimensions (WxHxD)	25 x 14 x 1 inches (630 x 370 x 24 mm)
Screen dimensions	23.6 x 13.2 inches (600 x 336 mm)
Power supply	100-240 VAC, 50-60 Hz



LCD monitor shown as part of the Profile system

Industry leading protocols

- Multi-focal ERG (mfERG) ISCEV standard
- Pattern Visual Evoked Potential (VEP)
- Uniform field Pattern ERG (UF PERG)
- Multi-focal photopic negative response (mfPhNR)
- Sweep VEP (add on module)



LCD monitor shown as part of the E³ system

Fixation Camera

The fixation camera tracks patient eye fixation and an image of the eyes is displayed in real time on the tester's screen.



LCD Monitor ordering information

LCD monitors	D358 27" LCD monitor
	D359 27" LCD monitor with bench-top assembly

Optional accessories	D357 Desktop fixation camera
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Available as part of the following systems:

- Diagnosys *E³* desktop systems
- Diagnosys *Profile* cart-based systems

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