

LCD Monitor

Advanced High Brightness Monitor

Features

Ultimate performance

- Ultra brightness up to 1,000 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
24" (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	1,000 cd/m ²
Resolution	1920 x 1080
Frame rate	75 Hz
Contrast	1,000:1
Response time	10 millisecond
Aspect ratio	16:9
Colors	16.7 million
Inputs	DVI
Dimensions (WxHxD)	22.6 x 13.5 x 1.75 inches (574 x 343 x 44 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 (pVEP)
- Multi-focal photopic negative response (mfPhNR)
- PERG (requires LI upgrade)
- Sweep VEP (add on module)



LCD monitor shown as part of the E³ system

Luminous Intelligence (LI) Upgrade Module

An isoluminant pattern reversal technology that significantly reduces inherent LCD flash artifacts. The hardware and software of the LI module was designed by Diagnosys' engineering team to specifically work with its custom designed high performance LCD monitors.



Further information on Luminous Intelligence: <https://info.diagnosysllc.com/li-lcd-monitor>

LCD Monitor ordering information

LCD monitors	D358-02 24" LCD monitor D359-02 24" LCD monitor with bench-top assembly
Optional accessories	D396 LCD monitor LI upgrade module

Available as part of the following systems:

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

www.diagnosysllc.com

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