



1. Product Specifications LE-720A

Model		LE-720A	
Display			
Display Technology		OLED	
Resolution		800 x 600 and 640 x 480	
Aspect Ratio		4:3 (16:9 aspect available upon request)	
Contrast		≥100:1	
Luminance (MAX) ²		Color: 300 cd/m ² White: 1800 cd/m ² Green: 3000 cd/m ²	
Optical			
FOV		28° @ 800 x 600 24° @ 640 x 480	
Transmission		non see-through ³	
Optics		Polarizing Beam splitter	
Eye Relief		>25mm	
Diopter Adjustment		fixed	
Mechanical			
Size (w/ eyecup)		2.98in x 1.67in x 0.97in ⁴	
Mounting		goggle and orbital	
Weight		~72 grams	
Interface			
Cable		Multi-conductor, shielded, black polyurethane jacket	
Connector		Optional Mil Spec connectors available ⁵	
Video Format Compatibility		Determined by software build during time of assembly ⁶	
Power			
Without user control module		5-6 VDC Input	
With user control module		6-28 VDC Input ⁷	
User Control			
Brightness, contrast, orientation, power down control		Optional User Interface box available with 3 buttons for control: Plus, Minus, Mode. Custom software builds available.	
Environmental Standards ⁸			
Shock		48 in. drop to concrete	
Operating Temperature		-40°C to +65°C	
Storage Temperature		-50°C to +80°C	
Immersion		1 Meter 10min	
EMC Standards			
ESD, radiated/conducted/H-field immunity, fast transient		EN 61000-6-2: 2001, Part 6-2 Generic Standard Immunity for Industrial Environments	
Emissions		EN 55011: 2007 Emissions Standards, Class B, Group 1	
Synchronization Pulse Polarity			
Mode	VGA 60Hz	SVGA 60Hz	For other available refresh rates please contact sale. Please see the REFERENCE Section of this manual for more information.
Hsync Polarity	Negative	Positive	
Vsync Polarity	Negative	Positive	

² Specification measured at the OLED (SVGA+ XL Rev3)

³ See-through optic is available at an additional cost

⁴ See Figure 2 for full HMD dimensions

⁵ Please contact Liteye tech support for connector options

⁶ Please contact Liteye tech support for software options

⁷ High-voltage range subject to change

⁸ Designed to meet MIL standards