



**Product Specification**

Liteye Systems, Inc.  
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Model	LE-450	LE-500	LE-600	LE-625	LE-700/LE-750	LE-700A/750A
<b>Display</b>						
Display Technology	OLED	Full Color OLED	OLED	LCD	OLED	OLED
Resolution	(800x3) x 600	(800x3) x 600	800x600 and 640x480 Several display types available: Color: >70 cd/m 2 White: >270 cd/ m 2 Yellow: >650 cd/ m 2 Green: >600 cd/ m 2	640x480	800x600 and 640x480 Several display types available: Color: >70 cd/m 2 White: >270 cd/ m 2 Yellow: >650 cd/ m 2 Green: >600 cd/ m 2	800x600 and 640x480 Several display types available: Color: >70 cd/m 2 White: >270 cd/ m 2 Yellow: >650 cd/ m 2 Green: >600 cd/ m 2
Luminance (MAX)	≥ 70 cd/m2 (front luminance) SVGA 60Hz VESA mode	≥ 70 cd/m2 (front luminance) SVGA 60Hz VESA mode				
<b>Optical</b>						
FOV	32° @ 800x600	28° @ 800x600	32° @ 800x600 24° @ 640x480	24° @ 640x480	28° @ 800x600	28° @ 800x600
Transmission	non see-through	see-through	non see-through	non see-through	LE 750 see-through LE 700 non see-through	LE 750A see-through LE 700A non see-through
Optics	3 element achromat	Polarizing Beam splitter	3 element achromat	3 element achromat	Polarizing Beam splitter	Polarizing Beam splitter
Eye Relief	21mm	Non Pupil Forming	21mm	21mm	Non Pupil Forming	Non Pupil Forming
Diopiter Adjustment	no	+2 to -5	no	no	no	+2 to -5
<b>Mechanical</b>						
Size			57mmx38mm	57mmx38mm	80mmx24mmx31mm	80mmx24mmx31mm
Mounting	PVS14 and Custom	Head Band/ Hard Hat	PVS14 and Custom	PVS14 and Custom	PASCOT/ MITCH /Headband and Custom	PASCOT/ MITCH /Headband and Custom
Weight	75 grams	80 grams	75 grams	75 grams	80 grams	80 grams
<b>Interface</b>						
SVGA	Standard 15 pin VGA connector	Standard 15 pin VGA connector	Standard 15 pin VGA connector	N/A	Standard 15 pin VGA connector	Standard 15 pin VGA connector
Video	RCA Connector	RCA Connector	RCA Connector	RCA Connector	RCA Connector	RCA Connector
custom			Optional Mil Spec connectors available	Optional Mil Spec connectors available	Optional Mil Spec connectors available	Optional Mil Spec connectors available
<b>Electronics</b>						
Additional EMI protection			Otional ITO optic coating and conductive O-rings available	Otional ITO optic coating and conductive O-rings available		
Video Inputs <i>The input is determined by software build during time of assembly Please contact a Liteye representative for further explanation</i>	Monochrome PAL/NTSC/RS170/ Full Color Analog RGB	Monochrome PAL/NTSC/RS170/ Full Color Analog RGB	Monochrome PAL/NTSC Full Color Analog RGB	Full Color PAL/NTSC Analog VGA coming 2nd qtr '07	Monochrome PAL/NTSC Full Color Analog RGB	Monochrome PAL/NTSC Full Color Analog RGB
Power	5-6vDC input 400mW Typical Average	5-6vDC input 500mW Typical Average	5-6vDC input 400mW Typical	5-6vDC input 500mW Typical	5-6vDC input 400mW Typical	5-6vDC input 400mW Typical
Control	none	none	3 Buttons on back of unit. Brightness +-, on/off, video input swap. Custom software builds available	3 Buttons on back of unit. Brightness +-, on/off, Custom software builds available	None	None
	Optional User Interface box Available 4 Buttons on UI box. Brightness +-, on/off, video input swap,screen rotation. Custom software builds available				Optional User Interface box Available 4 Buttons on UI box. Brightness +-, on/off, video input swap,screen rotation. Custom software builds available	Optional User Interface box Available 4 Buttons on UI box. Brightness +-, on/off, video input swap,screen rotation. Custom software builds available
<b>Environmental</b>						
Shock	3 ft drop to concrete		3 ft drop to concrete	3 ft drop to concrete	3 ft drop to concrete	3 ft drop to concrete
Temp Operating	-35C to +65C	-35C to +65C	-40C to +65C	-40C to +65C with frame heater	-40C to +65C	-40C to +65C with frame heater
Storage	-50C to +80C	-50C to +80C	-50C to +80C	-50C to +80C	-50C to +80C	-50C to +80C
Immersion	Water resistant	Do Not Immerse	1 atmosphere in water for 1 hours	1 atmosphere in water for 1 hours	Water Resistant	Water Resistant

Specifications are subject to change without notice

**Standards:** Standard Refresh Rate Is 60Hz  
 Other available refresh rates must be requested at time of purchase.

Our display optical characteristics are measured in accordance with the VESA Flat Panel Display Measurement (FPDM) standard, revision 1.0.  
[http://www.vesa.org/Standards/summary/2005\\_5.htm](http://www.vesa.org/Standards/summary/2005_5.htm)

The analog RGB input characteristics should comply with VESA Video Signal Standard (VSIS) standard, revision 1.0.  
[http://www.vesa.org/Standards/summary/2002\\_12a.htm](http://www.vesa.org/Standards/summary/2002_12a.htm)

Synchronization pulse (Hsync and Vsync) polarities must follow the VESA Display Monitor Timing (DMT) standard, revision 1.0.  
[http://www.vesa.org/Standards/summary/2004\\_10.htm](http://www.vesa.org/Standards/summary/2004_10.htm)

The display supports eight VESA standard monitor-timing configurations and up to two interlaced timings:  
 -VGA 640 x 480 @ 60, 72, 75 & 85 Hz non-interlaced  
 -SVGA 800 x600 @ 60, 72, 75 & 85 Hz non-interlaced  
 -Interlaced 480 active lines (240 per field), timing and levels per SMPTE-170M  
 -Interlaced 600 active lines (300 per field), levels per SMPTE-170M