

INFOTAINMENT DISPLAY BRILLIANCE

ON-BOARD PASSENGER INFORMATION SYSTEM



FEATURES

- Brightness enhancement
- White point adjustment
- Support of html5 content incl. Video tags



LET ME ENTERTAIN YOU ...

Luminator's TFT Display solutions offer high contrast and brightness combined with low power consumption. Cutting-edge technologies reduce temperature even in direct sunlight and help expanding operation lifetime of the displays. Due to the modular approach customers should find always find the fitting size. The powerful controller unit allows for various scroll, picture and video animations.

Brightness enhancement foils are reducing power consumption and increasing reflective part of the display mode. IR filters in the front glass and IR reflecting painting materials reducing surface temperature of the TFT screen in direct sunlight. The white point adjustment avoids significant color deviation during display lifetime. All these measures lead to an optimized mean expected lifetime.

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TECHNICAL DATA

Display								
Size	18.5" (standard)	21.5" (standard)	24" (standard)	28" (specific)	28.5" (specific)	29" (specific)	35.5" (specific)	36.2" (specific)
Aspect Ratio	16:9	16:9	16:9					
Active Display Area				698 x 131	698 x 196.5	698 x 222	885 x 166	885 x 264
Resolution	FHD (1920 x 1080)	FHD (1920 x 1080)	FHD (1920 x 1080)	1920X360	1920X540	1920x610	1920x610	1920X540
Brightness	500 Cd/m2	500 Cd/m2	500 Cd/m2	500 Cd/m2	500 Cd/m2	500 Cd/m2	500 Cd/m2	500 Cd/m2
	1000 Cd/m2	1000 Cd/m2	1000 Cd/m2	1000 Cd/m2	1000 Cd/m2	1000 Cd/m2	1000 Cd/m2	1000 Cd/m2
				1500 Cd/m2	1500 Cd/m2	1500 Cd/m2	1500 Cd/m2	1500 Cd/m2
Optical bonding front glass options								
<ul style="list-style-type: none"> • Anti-reflection + anti-fingerprint coating • Antiglare • Laminated safety glass • IP camera integration ready • Portrait Mode • Touch function 								
Electrical properties								
Operating Voltage				Nominal Voltages: EN50155 :2017 - 110V; Other voltages available in option.				
Insulation and voltage withstand				Compliant to EN50155:2017: Voltage withstand 1000VAC or 1500VDC; Insulation: >20MΩ at 500VDC				
Reverse polarity protection				Yes				
Voltage interruptions Class				EN50155:2017 – Class S2				
Supply changeover class				EN50155:2017 – Class S1				
Ethernet				2 x M12 D-coded connectors (socket) for 10/100/1000Mbps; Ethernet switch with bypass relay for Ethernet daisy chain support.				
Mechanical properties								
Dimensions				Custom housing as small as possible				
Environment								
Operating Temperature				0°C to +60°C				
Storage Temperature				-20°C to +60°C				
Rapid Temperature Variation				EN50155:2017 Class H2				
Ingress Protection				IP54				
Shock and Vibration				Compliant to EN 61373 performance for Category 1 body mounted equipment. Class B. (complies to EN50155:2017)				
Standards								
DIN EN 45545-2				Compliant (HL2)				
DIN EN 50121-3-2				Compliant (2016)				
DIN EN 50155				Compliant (2017)				
NFPA130				Compliant				

Disclaimer

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