

# Display

Combining state of the art technology with over 30 years of industry-specific experience and expertise, our range of displays is a testament to Hatteland Technology's commitment to Form Fit and Lifecycle Management – and our devotion to developing highly specialized products and solutions for onboard ship systems.

Our displays feature a compact and sleek-by-design aluminum chassis and may be desk or console mounted. All models are fully type-approved through our extensive testing program (including HALT testing), guaranteeing a more reliable and dependable product.



## Features



4K Resolution



Optical Bonding



Multi Touch



EN60945



IP66



ECDIS



IoT Enabled



## Form Fit

Form fit system hardware ensures that components may be exchanged seamlessly throughout the life span of a ship – whether due to component errors and repairs, or upgrades to keep pace with technological advancements – without the need for a system redesign.

This reduces the time and cost of hardware replacement and system upgrades.



## Lifecycle Management

Lifecycle management guarantees the continued production and delivery of industrial-grade embedded components in a ship's critical systems.

By choosing a hardware partner that provides lifecycle management you ensure that all networking, data processing, and display hardware and software will be supported throughout 7 years.



## Backward Compatibility

Backward compatibility eliminates the risk of a software image becoming outdated and unusable due to hardware upgrades.

By integrating backward compatible, marine approved and providing support for all communication modules (i.e. serial bus, ethernet, rich I/O and modular), new and old, as well as a range of previous OS releases, you extend the life span of your system.

# Display sizes - 8 to 55 inch

## Brief Features & Specifications

LED Backlight - Runs Cool and Efficiently  
 Full Dimming - Adjustable Brightness from 0-100%  
 Supports Picture-In-Picture (PIP) & Picture-By-Picture (PBP)  
 Hatteland Technology GLASS DISPLAY CONTROL™ Interface  
 AC/24VDC Multi-Power with most sizes  
 Waterproof Front / Resistant Back. (IP66 / IP22)  
 Type Approved (IEC 60945, EU-RO-MR) / ECDIS Compliant  
 Wide Range of Operating & Storage Temperature, Humidity  
 Multi-Touch Option & Wide variety of mounting/console options  
 Daylight Viewable with Superior Optical Bonding  
 Sunlight Viewable / High-Bright Versions Available



Small Sizes	Size, Resolution, Aspect Ratio & Format	Contrast Ratio, Light Intensity & View Angle	Power Inputs & Consumption (typ/max)
HD 08T21 STD	8.0", 800 x 480, 5:3, WVGA	600:1, 600 cd/m <sup>2</sup> , 70° (U/D), 60° (L/R)	2 x 24VDC - 20W / 30W
Connectivity / Size	1 x DVI-I - W:236.00 x H:166.00 x D:51.00 mm		
HD 12T21 STD	12.1", 1024 x 768, 4:3, XGA	700:1, 600 cd/m <sup>2</sup> , 80° (L/R), 70° (U/D)	100-240VAC + 24VDC - 15W / 60W
Connectivity / Size	1 x DVI-D, 1 x VGA - W:314.00 x H:272.00 x D:64.50 mm		
HD 13T21 STD	13.3", 1280 x 800, 16:10, WXGA	800:1, 500 cd/m <sup>2</sup> , 70° (U/D), 60° (L/R)	2 x 24VDC - 20W / 30W
Connectivity / Size	1 x DVI-I - W:355.00 x H:248.50 x D:58.00 mm		

**4K** UHD

Large Sizes	Size, Resolution, Aspect Ratio & Format	Contrast Ratio, Light Intensity & View Angle	Power Inputs & Consumption (typ/max)
HD 32T22 MVD	32.0", 3840 x 2160, 16:9, 4K UHD	1000:1, 350 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 65W / 70W
Connectivity / Size	2 x HDMI1.4, 1 x HDMI2.0, 1 x DP1.2 - W:758.00 x H:500.00 x D:64.00 mm		
HD 43T22 MVD	43.0", 3840 x 2160, 16:9, 4K UHD	3000:1, 500 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 130W MAX
Connectivity / Size	2 x HDMI1.4, 1 x HDMI2.0, 1 x DP1.2 - W:1005.00 x H:620.00 x D:75.50 mm		
HD 55T22 MVD Wall / Console	55.0", 3840 x 2160, 16:9, 4K UHD	4000:1, 450 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 145W / 220W
Connectivity / Size	2 x HDMI1.4, 1 x HDMI2.0, 1 x DP1.2 - W:1355.00 x H:828.00 x D:124.00 mm		
HD 55T22 MVD Floor Tilt Model	55.0", 3840 x 2160, 16:9, 4K UHD	4000:1, 450 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 300W / 430W
Connectivity / Size	2 x HDMI1.4, 1 x HDMI2.0, 1 x DP1.2 - W:1360.68 x H:917.00 to 1000.16 x D:500.00 to 633.37 mm		
HD 55T22 MVD Chart Table	55.0", 3840 x 2160, 16:9, 4K UHD	4000:1, 450 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 350W / 480W
Connectivity / Size	2 x HDMI1.4, 1 x HDMI2.0, 1 x DP1.2 - W:1360.68 x H:761.00 to 1061.00 x D:831.48 mm		



SERIES X High-Bright Displays are enhanced to be clearly visible in direct-sunlight conditions, while maintaining the same form-factor as standard brightness displays. This is ideal for installations that require matching displays on the pilothouse and the fly-bridge. High-Bright are available in 15, 17", 19" & 24" (MMD) sizes.

Common Sizes	Size, Resolution, Aspect Ratio & Format	Contrast Ratio, Light Intensity & View Angle	Power Inputs & Consumption (typ/max)
HD 12T21 STD	12.1", 1024 x 768, 4:3, XGA	700:1, 600 cd/m <sup>2</sup> , 80° (L/R), 70° (U/D)	100-240VAC or 24VDC - 15W / 60W
Connectivity / Size	1 x DVI-D, 1 x VGA - W:314.00 x H:272.00 x D:64.50 mm		
HD 15T22 MMD	15.0", 1024 x 768, 4:3, XGA	1500:1, 400 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC + 24VDC - 22W / 60W
Connectivity / Size	2 x DVI-I, 1 x DP1.2, 1 x VGA OUT, 2 x Comp. Video (BNC) - W:356.00 x H:307.00 x D:71.50 mm		
HD 15T21 STD	15.0", 1024 x 768, 4:3, XGA	1500:1, 400 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC + 24VDC - 60W Max
Connectivity / Size	1 x DVI-D, 1 x VGA - W:356.00 x H:307.00 x D:71.50 mm		
JH 15T17 MMD	15.0", 1024 x 768, 4:3, XGA	1500:1, 400 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC or 24VDC - 100W Max
Connectivity / Size	1 x DVI-I, 1 x VGA, 1 x VGA OUT - W:412.00 x H:345.00 x D:73.28 mm		
HD 17T22 MMD	17.0", 1280 x 1024, 5:4, SXGA	1000:1, 350 cd/m <sup>2</sup> , 85° (L/R/D), 60° (U)	100-240VAC + 24VDC - 34W Max
Connectivity / Size	2 x DVI-I, 1 x DP1.2, 1 x VGA OUT, 2 x Comp. Video (BNC) - W:390.00 x H:351.00 x D:71.50 mm		
HD 17T21 STD	17.0", 1280 x 1024, 5:4, SXGA	1000:1, 350 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC + 24VDC - 22W / 60W
Connectivity / Size	1 x DVI-D, 1 x VGA - W:390.00 x H:351.00 x D:73.50 mm		
HD 19T22 MMD	19.0", 1280 x 1024, 5:4, SXGA	1500:1, 350 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC + 24VDC - 32W Max
Connectivity / Size	2 x DVI-I, 1 x DP1.2, 1 x VGA OUT, 2 x Comp. Video (BNC) - W:429.00 x H:382.00 x D:71.50 mm		
HD 19T21 STD	19.0", 1280 x 1024, 5:4, SXGA	1500:1, 350 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC + 24VDC - 33W / 125W
Connectivity / Size	1 x DVI-D, 1 x VGA - W:429.00 x H:382.00 x D:74.50 mm		
JH 19T14 MMD	19.0", 1280 x 1024, 5:4, SXGA	1500:1, 350 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC + 24VDC - 50W / 60W
Connectivity / Size	1 x DVI-I, 1 x VGA, 1 x VGA OUT - [Slim = W:460.00 x H:400.00 x D:82.00 mm] [Regular = W:483.00 x H:444.00 x D:82.00 mm]		
JH 20T17 MMD	20.1", 1600 x 1200, 4:3, UXGA	1000:1, 260 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC or 24VDC - 100W Max
Connectivity / Size	1 x DVI-I, 1 x VGA, 1 x VGA OUT - W:534.00 x H:481.00 x D:87.00 mm		
JH 22T11 MMD	22.0", 1680 x 1050, 16:10, WSXGA	1000:1, 300 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 85W / 100W
Connectivity / Size	1 x DVI-I, 1 x VGA, 1 x VGA OUT - W:572.50 x H:444.00 x D:82.00 mm		
JH 23T14 MMD	23.1", 1600 x 1200, 4:3, UXGA	600:1, 400 cd/m <sup>2</sup> , 85° (L/R/U/D)	100-240VAC + 24VDC - 95W / 125W
Connectivity / Size	1 x DVI-I, 1 x VGA, 1 x VGA OUT - W:584.00 x H:534.00 x D:85.00 mm		
HD 24T22 MMD	24.0", 1920 x 1080, 16:9, FHD	3000:1, 300 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 51W Max
Connectivity / Size	2 x DVI-I, 1 x DP1.2, 1 x VGA OUT, 2 x Comp. Video (BNC) - W:593.00 x H:384.00 x D:70.00 mm		
HD 24T21 STD	24.0", 1920 x 1080, 16:9, FHD	3000:1, 300 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 40W / 125W
Connectivity / Size	1 x DVI-D, 1 x VGA - W:593.00 x H:384.00 x D:70.00 mm		
HD 26T22 MMD	25.54", 1920 x 1200, 16:10, WUXGA	1500:1, 350 cd/m <sup>2</sup> , 88° (L/R/U/D)	100-240VAC + 24VDC - 59W Max
Connectivity / Size	2 x DVI-I, 1 x DP1.2, 1 x VGA OUT, 2 x Comp. Video (BNC) - W:621.00 x H:435.00 x D:92.20 mm		
HD 26T21 STD	25.54", 1920 x 1200, 16:10, WUXGA	1500:1, 350 cd/m <sup>2</sup> , 88° (L/R/U/D)	100-240VAC + 24VDC - 51W Max
Connectivity / Size	1 x DVI-D, 1 x VGA - W:621.00 x H:435.00 x D:98.20 mm		
HD 27T22 MMD	27.0", 1920 x 1080, 16:9, FHD	3000:1, 300 cd/m <sup>2</sup> , 89° (L/R/U/D)	100-240VAC + 24VDC - 44W Max
Connectivity / Size	2 x DVI-I, 1 x DP1.2, 1 x VGA OUT, 2 x Comp. Video (BNC) - W:650.00 x H:437.00 x D:69.50 mm		



## Contact us or need more information?

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