

1. General Specification

Items		Unit	Specification @ 25 deg C	Remark
Dimension	Screen Diagonal	[inch]	55	
	Active Area: $H_A \times V_A$	[mm]	1209.6 (H) x 680.4 (V)	Note 1
	Outline Size: $H_O \times V_O \times D_O$	[mm]	1370(H) x 840(V) x 252.5(D)	
Parameter	Pixels H x V	-	1920(H) x 1080(V)	
	Pixel Pitch	[mm]	0.63X0.63	
	Max brightness	[c d/m ²]	2500	At the delivery
	Uniformity of Brightness	[%]	≥80	Note 2
	Color Temp.	[K]	≥6500	
	Power Consumption	[W]	≤420 220 W plus 150 W heating	+/-10%
	Contrast Ratio	-	1000:1	Note 3
	Aspect Ratio	-	16:9	
	Viewing Angle	[°]	178(H)178(V)	
	Response Time(typical)	[ms]	14	
	Mean expected Lifetime	-	min. 100.000 h @ 25° C	Note 4
	Display Colors	[colors]	16.7M	
	Weight	[Kg]	≤120	+/-10%
Other Parameters	Operating Temp.	[° C]	-20° C to +70° C	TNI LC
	Storage Temp.	[° C]	-30° C to +80° C	Note 5
	Humidity	[%]	10-90	
	Power Input	-	220V AC	
	Control Unit	-	Kontron D3723-R mITX with AMD Ryzen Embedded R2314, max. 4x 3,5 GHz, integrated on-Board Vega GPU	
	Frontglass	-	Anti-reflective laminated safety glass with thickness of approx. 8.8 mm, with highly effective IR and UV blocking filter	
	Ingress protection	-	Monitor Part IP54	
	electrical protection class		Protection Class 2	
	Housing	-	RAL9005	

Note:

(1). Active Area Dimension: Horizontal= H_A , Vertical= V_A

(2). Uniformity Measure: $\text{Min}_{(5 \text{ points})} / \text{Max}_{(5 \text{ points})} \times 100\%$. Measurement setup according to Drawing 1

