

# The Digital Kiosk

Roll out branding in a whole new way, using our poster-sized format. Show high definition digital versions of print promotions and intermix full motion offers to maximize creative while offering something extra to the passerby.

The Digital Kiosk includes a set of LPD tiles, a backing frame, an optional enclosure, an image processor, and a standard power connector. This reference specification is for an enclosed solution.

For more information, email our sales team at [sales@prysm.com](mailto:sales@prysm.com) or call 1.877.99.PRYSM.



## Display Characteristics

Tiles - Horizontal (Width)	2
Tiles - Vertical (Height)	5
Resolution/Pixels - Horizontal (Width)	640
Resolution/Pixels - Vertical (Height)	1,200
Total Pixel Count	768,000
Display Area - Width (in.)	40.0
Display Area - Height (in.)	75.0
Display Area - Diagonal (in.)	85.0
Display Area - Width (mm)	1,016.0
Display Area - Height (mm)	1,905.0
Display Area - Diagonal (mm)	2,159.0
Display Area - Total (sq m)	1.935
Viewable Area	100%
Seams - Optical (tile-to-tile)	0.25 mm
Pixel Pitch	1.6 mm
Brightness / Luminance (max)	800 nits (High Brightness), 600 nits (Deep Black)
Native Contrast Ratio	100,000:1
Pixel Fill Factor	91%
Gamma	Adjustable from 0.3-3.0
Viewing Angle	178° H/V (no color shift at any viewing angle)
Scan Rate	240 Hz
Frame Rate	120 Hz
Response Time	0.003 ms
Tile-to-Tile Brightness Uniformity	97%
Tile-to-Tile Color Uniformity	99%
Tile Calibration	Automatic
Color Processing	14 bit/color, 4.4 trillion colors
White Point	2,400 to 11,000 K (adjustable)

## Power Consumption

### Digital Kiosk Solution

Power Consumption (average)	300 W
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### TD1 Tile

Power Consumption (average)	30 W/tile, 155 W/sq m
Power Consumption (standby)	7 W
Operating Voltage	100-240 VAC, 50/60 Hz

### Image Processor (IP1)

Power Consumption (average)	30 W
Power Consumption (standby)	1 W
Operating Voltage	100-240 VAC, 50/60 Hz

## Lifetime

### TD1 Tile

System Lifetime	60,000 hours (to 50% initial brightness)
Consumables	None

### Image Processor (IP1)

System Lifetime	60,000 hours
Consumables	None



**Inputs via Image Processor (IP1)**

Video Inputs	VGA, DVI-D*, HDMI*, Component (*HDCP Compliant)
Input Resolutions & Formats	See Image Processor One Pager for Resolutions & Formats
Input Frame Rates	See Image Processor One Pager for Frame Rates
Control Interface Connections	RS-232 (serial), RJ-45 (Ethernet)
Control Interfaces	Web Browser or Front Panel
Genlock	Analog, NTSC/PAL (bi-level), HD (tri-level)

**Environmental****TD1 Tile**

Continuous Operation	24/7
Operating Temperature Range	0° to 40°C (32° to 104°F)
Storage Temperature Range	-20° to 50°C (-4° to 122°F)
Operating Humidity	20 to 80% (non-condensing)
Storage Humidity	10 to 90% (non-condensing)
IP Rating	IP 50, Indoor Use Only (additional enclosures enable outdoor use)
Heat Output	102 BTU/hr
Acoustic Noise Level	22 dBA (w/o fans) 35 dBA (w/fans)
Compliance	RoHS, WEEE
Testing & Inspection	TUV
Safety Approvals	UL, CSA, NRTL, T-Mark, GOST, STQC S-Mark, S-Mark, BSMI
EMC/EMI Certifications	FCC, IC, CE, VCCI, CoC, BSMI

**Image Processor (IP1)**

Continuous Operation	24/7
Operating Temperature Range	0° to 40°C (32° to 104°F)
Storage Temperature Range	-20° to 60°C (-4° to 140°F)
Operating Humidity	20 to 80% (non-condensing)
Storage Humidity	10 to 90% (non-condensing)
IP Rating	IP 50, Indoor Use Only (additional enclosures enable outdoor use)
Heat Output	102 BTU/ hr
Acoustic Noise Level	43 dBA
Compliance	RoHS, WEEE
Testing & Inspection	TUV
Safety Approvals	UL, CSA, GS-Mark, SASO, GOST, STQC S-Mark
EMC/EMI Certifications	FCC, CE

**Mechanical Characteristics****Digital Kiosk Solution**

Width (in.) - In Wall	40.0
Height (in.) - In Wall	75.0
Depth (in.) - In Wall	21.7
Width (mm) - In Wall	1,016
Height (mm) - In Wall	1,905
Depth (mm) - In Wall	552
Width (in.) - Std. Steel Enclosure	46
Height (in.) - Std. Steel Enclosure	93.6
Depth (in.) - Std. Steel Enclosure	22.7
Width (mm) - Std. Steel Enclosure	1,168
Height (mm) - Std. Steel Enclosure	2,377
Depth (mm) - Std. Steel Enclosure	577
Total Weight (lbs.)	1,200
Total Weight (kg)	544

**TD1 Tile**

Width (in.)	20.03
Height (in.)	20.62
Depth (in.)	14.32
Width (mm)	508.8
Height (mm)	523.8
Depth (mm)	363.7
Weight (lbs.)	63.9
Weight (kg)	29.0

**IP1**

Width (in.)	19.02
Height (in.)	1.75
Depth (in.)	13.90
Width (mm)	483.0
Height (mm)	44.5
Depth (mm)	353.0
Weight (lbs.)	13.2
Weight (kg)	6.0

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