

Prysm Systems LPD 6K, 225 (7K)

Transform your working environment with the Prysm Systems LPD 6K, 225 solution, powered by the Prysm Application Suite and Prysm Systems’ patented laser phosphor display (LPD) technology.

The Prysm Systems LPD 6K is an interactive large-format display that offers a panoramic image uninterrupted by seams or bezels. The single-panel display combines vivid colors presented in 7K resolution with a rich, deep contrast to deliver stunning picture quality. Our LPD 6K is an extremely energy-efficient interactive touch display, using less energy than a hair dryer. The LPD 6K advances Prysm Systems’ LPD technology by offering 24x7 reliable operation and integrated display health monitoring and reporting. The flexible, impact-resistant top surface is specially formulated to offer smooth touch interaction and can be viewed at any distance, up close or far away, and at any angle without the eye fatigue typical of other display technologies. Should it ever be required, all components in the LPD 6K can be serviced from the front, ensuring maximum up-time.

This large-format display comes optionally bundled with the Prysm Application Suite, a digital workplace platform that brings people, content, and ideas together to create a smart and efficient collaboration environment. The platform displays streaming video, web applications, documents, presentations, and images as well as input from laptops and mobile devices with a simple tap.

For more information, contact us at sales@prysmsystems.com, or +1.408.586.1100, www.prymsystems.com



Specifications for Prysm Systems LPD 6K Series II, 225 (7K)

Target Applications

Use Environments	<ul style="list-style-type: none"> ▶ Conference Rooms ▶ Board Rooms ▶ Briefing Centers ▶ Training Rooms ▶ Demo Centers ▶ Multimedia Centers 	<ul style="list-style-type: none"> ▶ Customer Exp. Centers ▶ Visitor Welcome Centers ▶ Hybrid Retail ▶ Transit Centers ▶ Museums
Room Size	Large rooms, 10+ people	
Ambient Light	Suitable for normal ambient lighting conditions (avoid direct sunlight)	

Display Characteristics

Image resolution (W x H)	6864 x 1872
Total pixel count	12.9 million
Display aspect ratio	3.67:1
Image area, total	12,679 sq in 8.18 sq m
Display image dimensions (W x H x Diagonal)	216 in x 59 in x 224 in 5491 mm x 1489 mm x 5689 mm
Ideal Viewing Distance	2.5 – 60 ft 0.8 – 18.3 m
Viewing angle	178° (horizontal or vertical)
Pixel pitch	1.20 mm (horizontal) x 0.80 mm (vertical)
Phosphor fill factor	90%
Gamma	Adjustable from 1.8 – 2.6
Color processing	10 bits per RGB color (1.07 billion colors)
Color shift	No color shift at any angle
Color and luminance uniformity	Automatic uniformity maintenance over time
Color gamut	100% of ITU Rec. BT709 (HDTV) and >80% of DCI/P3 Color Gamut in 1976 CIEu’v’ Color Space
White point adjustment	2,400 – 9,300 Kelvin (adjustable)
Luminance	500 cd/m ² (Maximum) 300 cd/m ² (Typical)
Scan field rate	360 Hz
Sequential contrast	1,000,000:1 (Typical)
Touch latency	7 - 16 ms
Touch accuracy	6 mm
Viewable area	100%
Image seams / bezels	None
Display lifetime	>60,000 hrs (to 50% initial brightness)
Touch type	High-resolution IR
Touch points	32 simultaneous touch points
Touch pressure	Zero force

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Physical Characteristics ¹

Overall dimensions (W x H x Depth)	230 in x 98.0 in x 30.8 in 5833 mm x 2488 mm x 753 mm
Weight	4,250 lbs 1,930 kg
Floor-loading weight	38.0 lbs per ft ² 185.5 kg/m ²
Acoustic noise level	40 dBA ±2 (as measured in a 37 dBA environment)

Clearances

Minimum ceiling height	103.1 in, 2619 mm
Required clearances - Passive ventilation	Rear: 1.7 in, 42 mm Top: 5.2 in, 131.0 mm
Required clearances - Service	Front: 42.0 in, 1,066.8 mm

Application Appliance (X30/X40 available upon request)

Video Inputs	4x HDMI 1.4 (max 4K/30 Hz) inputs. <i>HDCP encryption NOT supported.</i> Additional inputs optional.
Processor	Intel® Xeon E31270 CPU
Storage	240GB SSD
Dimensions (W x H x D)	8.5 in x 2.28 in x 8.5 in 215.9 mm x 58 mm x 215.9 mm

Environmental ¹

Power rating /Phase	200 – 240 VAC single-phase
Power Consumption	198 W/m ² Typical 339 W/m ² Maximum
Power Consumption, Absolute	1.62 kW Typical 2.8 kW Maximum

Environmental, continued

Heat output	Typical: 6,310 BTU/hr Maximum: 10,920 BTU/hr
Max operating temperature ²	32° – 104°F 0° – 40° C
Recommended operating temperature	59° – 95° F 15° – 35° C
Room humidity	40 – 60% RH, non-condensing
Cooling	Self-contained airflow @ 1800CFM
Tip prevention	Strong points provided on frame for anchoring to building architecture

Cosmetic Enclosure

Nominal fabric finish	Black
Optional fabric finishes	Other fabric colors and patterns available
Free-Standing:	Wide side panels
Built-In (Alcove):	Narrow side panels

Accessories (ordered separately)

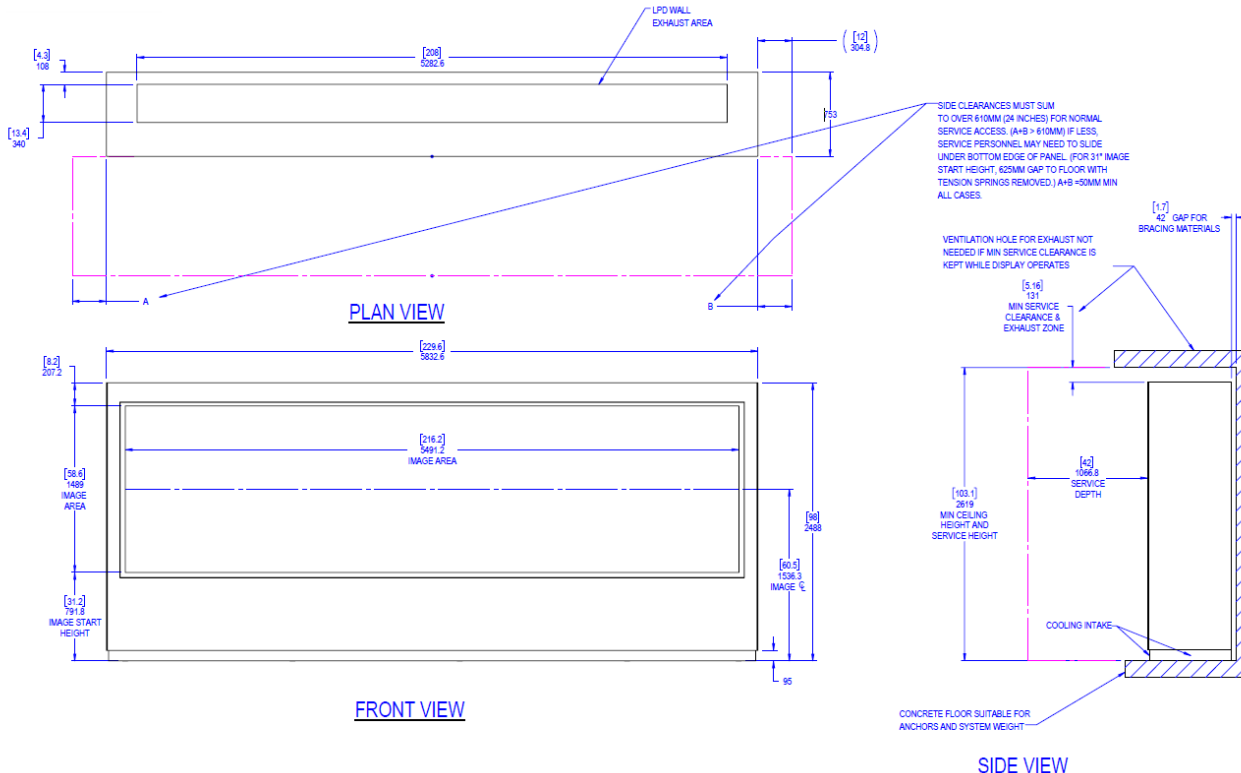
QuadLynk	Kit for video input system
Interactive Input Controller	Kit for interactive touch capability

Compliance

Class	Class 1 Laser Product
Standards	RoHS, WEEE CE, NRTL (US & Canada), FCC Part 15 (Class A) CE EN55032 + EN55024, FCC Part 15B

¹ Weight, power, and heat output specifications do not include speakers, cameras, or other peripheral devices.

² Degraded performance for ambient temperatures between 32° and 59°F (0° and 15°C) and between 95° and 104°F (35° and 40°C).



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