PRYSM

Product Specification Sheet

Prysm LPD 6K Series II, 225 (7K)

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

The Prysm LPD 6K Series II 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 Series II is an extremely energy-efficient interactive touch display, using less energy than a hair dryer. The LPD 6K advances Prysm's LPD technology by offering 24x7 reliable operation and integrated display health monitoring and reporting. The flexible, impactresistant 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 Series II 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@prysm.com, 1.877.99.PRYSM or +1.408.586.1100.



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

Target Applications			
Use Environments	 Board Rooms Briefing Centers Visito Training Rooms Centers Demo Centers Hybri 	it Centers	
Room Size	Large rooms, 10+ people		
Ambient Light	Suitable for normal ambient lighting conditions (avoid direct sunlight)		
Display Characteristics			
Image resolution (W × 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 × H × 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) × 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/m² (Maximum) 300 cd/m² (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		

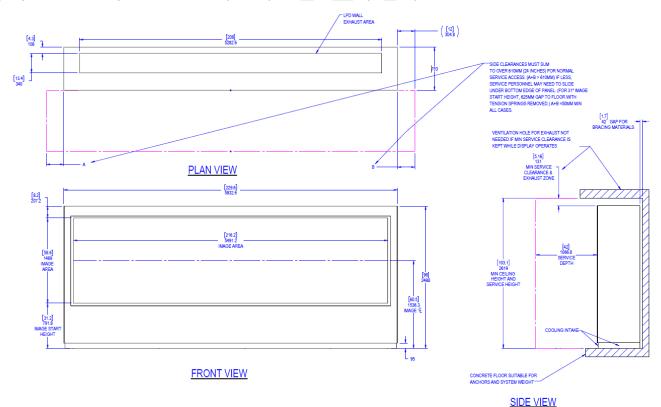
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Physical Characteristics ¹		Environmental, continued		
Overall dimensions (W × H × Depth)	230 in × 98.0 in × 30.8 in 5833 mm × 2488 mm × 753 mm	Heat output	Typical: 6,310 BTU/hr Maximum: 10,920 BTU/hr	
Weight	4,250 lbs 1,930 kg	Max operating temperature ²	32° – 104°F 0° – 40° C	
Floor-loading weight	38.0 lbs per ft ² 185.5 kg/m ²	Recommended operating temperature	59° – 95° F 15° – 35° C	
Acoustic noise level	$40 \text{dBA} \pm 2$ (as measured in a 37 dBA environment)	Room humidity	40 – 60% RH, non-condensing	
		Cooling	Self-contained airflow @ 1800CFM	
Clearances		Tip prevention	Strong points provided on frame for	
Minimum ceiling height	103.1 in, 2619 mm		anchoring to building architecture	
Required clearances - Passive ventilation	Rear: 1.7 in, 42 mm Top: 5.2 in, 131.0 mm	Cosmetic Enclosure		
Required clearances –	Front: 420 in, 1,066.8 mm	Nominal fabric finish	Black	
Service				
		Optional fabric finishes	Other fabric colors and patterns available	
Application Appliance (X30/X40 available upon request)		Free-Standing: Built-In (Alcove):	Wide side panels Narrow side panels	
Video Inputs	4x HDMI 1.4 (max 4K/30 Hz) inputs. HDCP encryption NOT supported. Additional inputs optional.			
Processor	Intel® Xeon E31270 CPU	Accessories (ordered separately)		
Storage	240GB SSD	QuadLynk	Kit for video input system	
Dimensions (W \times H \times D)	8.5 in × 2.28 in × 8.5 in 215.9 mm × 58 mm × 215.9 mm	Interactive Input Controller	Kit for interactive touch capability	
		Compliance		
Environmental ¹		Class	Class 1 Laser Product	
Power rating /Phase	200-240 VAC single-phase	Standards	RoHS, WEEE CE, NRTL (US & Canada), FCC Part 15 (Class A) CE EN55032 + EN55024, FCC Part 15B	
Power Consumption	198 W/m² Typical 339 W/m² Maximum			
Power Consumption, Absolute	1.62 kW Typical 2.8 kW Maximum			

¹Weight, 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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