



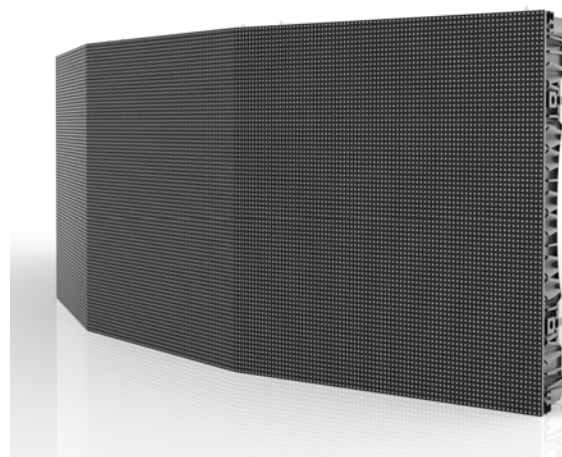
(highlight:at-the-glance)

Rapperswil-Jona Lakers MediaSolution: seamless LED-Cube (90m²), 2nd row LED-perimeter display and grandstand entrance LED systems. Control, play & scoreboard by **SLAM.SYSTEMS** media solution

ACTIVE & MODULR LED TECHNOLOGY

ALEZEN 391HRS

MODUL	Application	outdoor / indoor (fix installation, rental)	Operation in high humidity; large temperature differences (ice rinks and swimming pools, winter sports arenas)	
	Technology	Intelligent active module technology	ultrafast image build-up, no ghost shadows effect by LED afterglow	
	Resolution	3.91 mm pixel pitch, symmetrical	LED type: ReStar RS-C1921MBAR, blackface high uniforming, customized selected batch	
	Size & Material	500 x 500 mm 4.58kg	alu-magnesium-alloy, die casting, lightweight	
	PCB Material & Process	TG 170, gold coated, PCB-A random P&P for LED 3D-SPI, vacuum PCB fixture during PCB-A, EOI	LED with flying head underfill glue technology, supports long life, minimized failure rate, high flatness for large viewing angle	
	Brightness	2200 nits	after calibration, high current power supply (35A/0.25m ²)	
	Viewing Angle	> 170° with high flatness (for wide viewing angle, viewed over the screen surface)	extremely high visibility of side view of LED-system from the audience and TV cam's	
	Body Structure	closed, fanless system with dust/water protection	IP67 standard on front- and rear-side	
	Redundancy	Data signal for redundant operation from media PlayOut-, via the controller to the LED-system	Unique: ring circuit technology enables power redundancy in LED systems for the first time	
	Gray Scale	22 bit / PWM driver (SUM 2035)	hard- & software-based technology for natural color, high contrast	
	Scan Rate	1/4	ultrafast image build-up without ghost shadows effect	
	Sport Photographer	1 : 3200 / sec, shutter speeds	no missing image information (black lines)	
	PANEL	Broadcast Standards	refresh rate 4'850Hz (50fps), 4'860Hz (60fps)	50fps national broadcast, 60fps international broadcast flicker free up to hyper slow-motion cam's
Front Mask		front mask with high flatness	Test by SGS lab:EN 13823 EN ISO 1716 (SMOGRA, FIGRA, THR, TSP)	
Service		front & back maintenance	hot plug maintenance, hybrid power-/date cable technology	
Alignment		cube with curve of 90° (5x500mm) modul screen: horizontal, vertical	cube: self-supporting mounting system screen & fascia: wall mounting system	
Frame		2.5kg 500 x 500 x (75 mm frame + 19.8mm modul)	magnesium-aluminium alloy, die-casting, durable, lightweight 29.3kg/m ² complete panel weight, include interconnect cable	
Corner Frame		seamless corner structure	500x500 frame: 4 frame, 90° radius 1.2m 5 frame, 90° radius 1.5m)	
SYSTEM		LED Controller	full redundant system with UPS, 4K	HDMI / DP input, optical single-mode channel output
		PlayOut Media System	SLAM.SYSTEMS modular and redundant PlayOut System, control, administration playback (optional)	graphic-interface for free scalable scoreboard, liveTV, advertising, use for simple, single application up to complete stadium solution
		Redundancy	Data signal for redundant operation from media PlayOut-, via the controller to the LED-system	Unique: ring circuit technology enables power redundancy in LED systems for the first time
		Power Consumption green efficiency	53.3W/m ²	watt by 225V/50Hz (stand:by)
			155.25W/m ² current average 229.5W/m ²	power consumption pays off for IceHockey Match with floodlights, a mix of animated and static content during the game current max. full white, full brightness
		Lab	CE, RoHS, EMC class A (high-level)	system power-on by cascaded & delayed main power distribution
		Sustainability compliance	swiss warranty	In-house development & production for a long lifetime with guaranteed spare parts supply through selected components, inexpensive maintenance , 20 years experience in LED technology



seamless LED cube with frame, fix installation, 5 modules = 90°



4 active modules with frame and fast lock (rental version)



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