



(highlight:at the glance)

ATP SWISS INDOORS, October 2022, Basel, Switzerland

SUBTILE PRESENCE UP TO THE SMALLEST DETAIL

GENEZES 391RS

Application	indoor fixinstallation, rental	screen, score-, fascia-bord, perimeter system
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 brightness, customized selected batch
Body Size & Material	500 x 500 mm 4.7kg	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 (blackface)	after calibration
View Angle	> 170° / 160° (H / V) with high flatness (for wide viewing angle viewed over the screen surface)	it's result a readable content for side panels content, recorded from tennis backdrop cam's
Body Structure	closed, fanless system with dust/water protection of IP67 front and rear	design for longlife with selected components, optimized heat absorption, fast lock system
Gray Scale	22 bit / PWM driver (SUM 2035)	hard- & software-based technology for natural color, high contrast
Scan Rate	1/8	ultrafast image build-up without ghost shadows effect
Sport Photographer	1 : 3200 / sec, shutter speeds	no missing image information (black lines)
Broadcast, TV	50Hz/60Hz Signal Frequenz / 6900 Hz refresh rate	50Hz national broadcast, 60Hz international broadcast flicker free up to hyper slow-motion cam's
Front Mask	2 components front shader for player and led protection. 1 components mask for screen	Test by SGS lab:EN 13823 EN ISO 1716 (SMOGR, FIGRA, THR, TSP)
Service	front & back maintenance	hot plug maintenance
Alignment	perimeter, horizontal, 90° straight or 30° tilt screen: horizontal, vertical	perimeter: mounting feed system, soft top cover screen & faszia: wall mounting system w. frame
Frame	2.5kg 500 x 500 x (75 mm frame + 19.8mm modul)	29.6kg/m ² panel weight complete alu-magnesium-alloy, die casting
Corner Frame	seamless corner structure	500x500 frame: 8 frame, 90° radius 2.4m
Gates (Perimeter)	access- & exit-gate (optional)	both way open: to the field, from the field away
LED Controller	full redundant system with UPS, 8K	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 speed-meter & shot-clock, time, as well hawk-eye control and display implementation. 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	55.3W/m ²	watt by 225V/50Hz (stand:by)
	155W/m ² current average	power consumption pays off for IceHockey Match with floodlights, a mix of animated and static content during the game
	230W/m ²	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



all magnesium di-cast 500x500mm LED-Panel & Frame



unique: smart perimeter system technology with ball impact protection (>200km/h), fast and precision installation & setup.



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