



(highlight:at the glance) NLA: Swiss Handball League, St.Gallen, with media playout system

## LED TECHNOLOGY AT CEV CHAMPIONS LEAGUE LEVEL!

# TSCHILIN 625IRS

Application	indoor   fix- or mobile-installation	screen, score-, fascia-bord, perimeter system
Resolution	6.25, symmetric pixel pitch	LED Type: ReStar RS-C1921MBAR, blackface high brightness, customized selected batch
Size & Material	450 x 400 mm (W x H)   4,8kg	aluminium-alloy, die casting, lightweight
Brightness	2200 nits	after calibration
View Angle	> 170° / 160° (H / V) 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 , dust- & water-protection
Technology	modular structure with dual power supply for redundancy, fully data-redundancy	together with selected components an ultrafast image build-up without ghost shadow effect
Gray Scale	16 bit / PWM driver (SUM 2035)	hardware-based technology for natural color, high contrast, from 1% to 100% luminosity
Scan Rate	1/4	
Sport Photographer	1 : 1600 / sec, shutter speeds	no missing image information (black lines)
Broadcast, TV	50Hz Signal Frequenz / 3850 Hz refresh rate 60Hz Signal Frequenz / 3860 Hz refresh rate	50Hz national broadcast, 60Hz international broadcast flicker free up to hyper slow-motion cam's
Front Mask	LSS laminated front rubber mask EN 13823 EN ISO 1716 (SMOGRA, FIGRA, THR, TSP)	flatness guarantee up to 80 ° C, UV-protected
Service	front & back maintenance	hot plug maintenance
Alignment	perimeter, horizontal, 90° straight screen: horizontal, vertical	perimeter: mounting feed system, soft top cover screen & fascia: wall mounting system
Frame	panel size 900 x 800mm (16:9) (perimeter with feet & top cover = 850mm)	aluminium extruded process 24kg/m <sup>2</sup> perimeter panel weight complete
Gates (Perimeter)	combined swing access- & exit-gate (optional)	both way open: to the field, from the field away
LED Controller	full redundant system with UPS	HDMI input, Fiber Channel output (1GB)
PlayOut System	<b>SLAM.SYSTEMS</b> modular and redundant PlayOut System, control, administration playback (optional)	graphical-interface, playlist admin, virtual add, fan engagement, scoreboard, brightness control with sun shader adjustment
Handling	fast system setup-ready to play ( 40 m = 2 person, 4h )	2 technician/stage hands
Virtual Advertising	virtual advertising technology on ready	updateable System for virtual advertising technology
Power Consumption	55W/m <sup>2</sup>	stand:by mode in watt by 225V/50Hz
green efficiency	160W/m <sup>2</sup>	average power consumption: based on 88m <sup>2</sup> LED-Perimeter with floodlights and a mix of animated/static content during the game
	235W/m <sup>2</sup>	maximum power consumption by full white and full brightness
Lab	CE, RoHS, EMC class A (high-level)	current inrush limiting for system power soft-start
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



modular cabinet 800x900mm, feet, top cover, fast installation



aluminium di-cast modules: robust – reliable – durable



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