



(highlight:at the glance) UEFA Nations League, Generali Arena, Prag Czech Republic

LED TECHNOLOGY AT UEFA NATIONAL LEAGUE LEVEL!

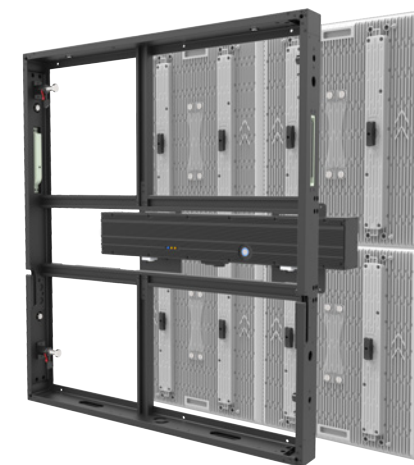
TSCHILIN 10ARS

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|--------------------|--|---|
| Application | outdoor (indoor) fix- or mobile-installation | screen, score-, fascia-bord, perimeter system |
| Resolution | 10mm, asymmetric pixel pitch | LED Type: ReStar RS-2727 MWAS high brightness, customized selected batch |
| Size & Material | 400 x 450 mm (W x H) 4,8kg | aluminium-alloy, die casting, lightweight |
| Brightness | 6600 nits | after calibration |
| View Angle | > 170° / 160° (H / V) with high flatness (for wide viewing angle viewed over the screen surface) | result in a readable content from the baseline football field camera |
| Body Structure | close- & fanless-system dust- & water-protection IP67 front / back | design for longlife with selected components, optimized heat absorption, fast lock system |
| 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 MBI 5251, 16.7 billion colors | 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 / 6350 Hz refresh rate 60Hz Signal Frequenz / 6360 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 |



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

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| 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 1600 x 900mm (16:9) (perimeter with feet & top cover = 950mm) | aluminium extruded process 48kg/m ² perimeter panel weight complete |
| Gates (Perimeter) | combined swing access- & exit-gate (optional) | both way open: to the field, from the field away |



modular panel structure - hotpluggable – fast system setup

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|---------------------------------------|---|---|
| LED Controller | full redundant system with UPS | HDMI input, Fiber Channel output (1GB) |
| PlayOut System | SLAM.SYSTEMS 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 (248 m = 6 person, 8h) | 1 operator 2 technician, 4 stage hands |
| Virtual Advertising | virtual advertising technology ready | updateable System for virtual advertising technology |
| Power Consumption green efficiency | 75W/m ² | stand:by mode in watt by 225V/50Hz |
| | 180W/m ² | average power consumption: based on 248m long LED-perimeter with a mix of animated/static content during the game |
| Lab | 450W/m ² | maximum power consumption by full white and full brightness |
| | 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 |



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