UP VIEW

CAM

AUDIENCE

DOWN VIEW

With just a few simple steps and without tools, top cover and feet system can be detached from the LED panel. The LED panel with Trass bracket is thus converted into a screen. The special quick-release fasteners allow precise installation with a flatness of 0.5mm over a length of one meter.

The exit & access gate developed for the **NEMEZES** system can be subsequently mounted on any panel. Thanks to sophisticated technology, it can be opened forward (exit) or backward (access) without interrupting the content and system redundancy. The field of application becomes versatile from the green-keeper door to the escape on the playing field.

High-end perimeter systems are aligned to the viewing angle of the viewer and guide camera - from top to bottom. With a screen, it is in most cases reversed and requires other LED modules. With **NEMEZES** active modules, this is taken into account and a screen can simply be set up or converted from the perimeter.

LED TECHNOLOGY AT UEFA CHAMPIONS LEAGUE LEVEL!

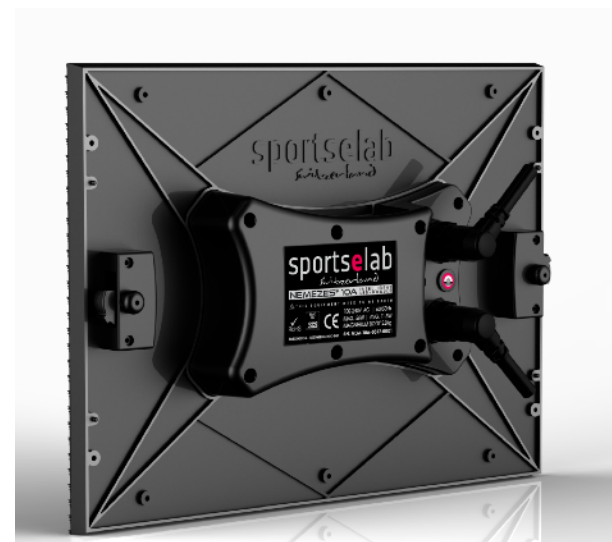# NEMEZES 10ᴬᴿˢ

MODUL

Application	outdoor / (indoor) (fixinstallation or rental)	screen, score-, fascia-bord, perimeter system
Resolution	10mm, asymmetric pixel pitch	LED Type: ReeStar RS-2727 MWAS high brightness, customized selected batch (optional 2828 Cree LED)
Size & Material	400 x 300 mm | 2.5kg	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	6600 to 10'000 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	closed, fanless system with dust/water protection of IP67 front and rear	design for longlife with selected components, optimized heat absorption, fast lock system
Technology	intelligent led module and power circle system with power- & date redundancy	together with selected components an ultrafast image build-up without ghost shadow effect
Gray Scale	16 bit / PWM driver MBI 5251	hardware-based technology for natural color, high contrast, from 1% to 100% luminosity
Scan Rate	1/3	ultrafast image build-up without ghost shadows effect
Sport Photographer	1 : 2000 / sec, shutter speeds	no missing image information (black lines)
Broadcast, TV	6360 Hz, refresh rate 50/60Hz	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

PANEL

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	1600x 900mm (with feet & top cover = 950mm)	aluminium extruded process 39.6kg/m^2 perimeter panel weight
Gates (Perimeter)	combined swing access- & exit-gate (optional)	3.2m swing gate, both way open: to the field, from the field away

SYSTEM

LED Controller	Full redundant system with UPS	HDMI input, Fiber Channel output (1GB)
PlayOut Media 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, 4h)	1 operator 2 technician, 4 stage hands
Virtual Advertising	virtual advertising technology on system (optional)	UEFA approved system
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	37.46W/m^2	watt by 225V/50Hz (stand:by)
	88 W/m^2 current average	power consumption pays off for IceHockey Match with floodlights, a mix of animated and static content during the game
	240W/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
Compliance	Swiss warranty	UEFA approved and certified system

LED panel 1.6m x 90cm with feet and top-cover

active module where can be exchange in 10sec during a match

RoHS · EMC by SGS · CE · LOW POWER CONSUMPTION