



# EXCLUSIVE PREVIEW

# NEW S[quadrat] Ocean Series

INDOOR FINE PITCH  
2.84 / 3.9 / 4.8 SMD

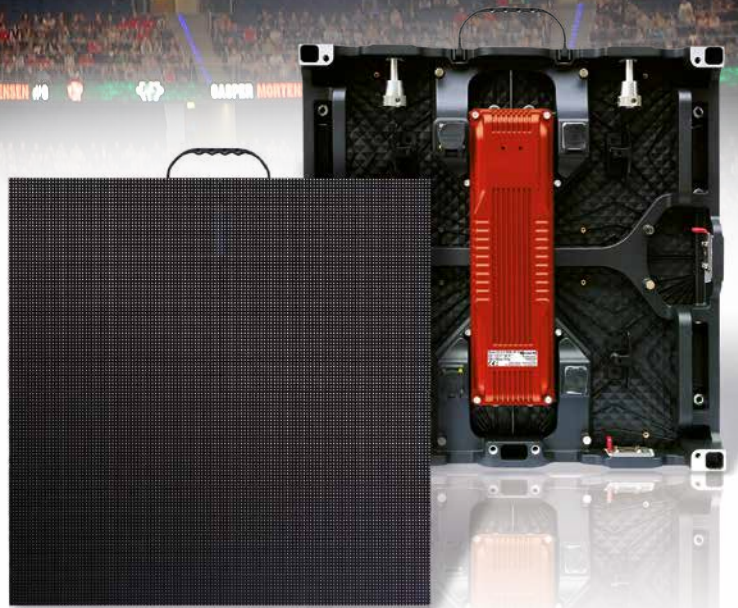


## About our indoor fine pitches

S[quadrat]'s latest high resolution products for indoor fixed installation and rental application are available in pitch 2.84 / 3.9 / 4.8 mm.

### Features

- Easy front access for installation and maintenance
- Application in corporate, transport, retail, cinema, entertainment, museum and arenas.
- Low power consumption and less heat dissipation make "Ocean Series" an environment-friendly product
- High efficient LED chip plus black mask for higher contrast ratio
- Unique strong, light weight modules with quick lock devices to easily enable rental LED system



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video display solutions

# S[quadrat] indoor fine pitch series "Ocean"

Model	Ocean SI [2.84 SMD] NT	Ocean SI [3.9 SMD] NT	Ocean SI [4.8 SMD] NT
LED & Pixel Card			
Pixel configuration	SMD 3-in-1		
Pixels (W x H)	88 x 88	64 x 64	52 x 52
Pixel pitch	2.84 mm	3.91 mm	4.8 mm
Pixel card size in mm	250 x 250 x 15		
Driving method	1/22 dynamic scan	1/8 dynamic scan	1/13 dynamic scan
Module			
Pixel cards	2x2		
Pixels (W x H)	176 x 176	128 x 128	104 x 104
Module area	0.25 m <sup>2</sup>		
Module size in mm	500 x 500 x 78		
Net weight	9 kg		
Power	AC 230/110 ± 10%, 47~63 Hz		
Type of protection	Front IP30 / Rear IP30		
Service availability	Front & Rear service		
Displays			
Max. power / average	750 W/m <sup>2</sup> / 262W/m <sup>2</sup>		
Viewing angle (H/V)	140°/140°		
Brightness	1,000 cd/m <sup>2</sup>	1,200 cd/m <sup>2</sup>	
Pixel density per m <sup>2</sup>	123,904	65,536	43,264
Certifications	CE, ETL, FCC Class A, RoSH, CCC		
Contrast ratio	6,000:1		
Operating temperature	-10°C to +45°C		
Lifetime (50% brightness)	80,000 hours		
Greyscale processing	14 bit	16 bit	
Colors	4.4 trillion	281 trillion	
Refresh rate (up to)	2,880 Hz	1,920 Hz	
Frame rate (Hz)	60 Hz		
Brightness level	manually and automatically 256 levels (8 bit)		
Color temperature	3,200 – 9,300 K (adjustable)		

S[quadrat] pixel cards can be equipped with LEDs from Nationstar, Nichia or also Multicolor in accordance with customer's requirements.

This information was issued in November, 2017. Please note: specifications are subject to change without notification due to our policy of continual product improvement.

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