



VELOCITY VII

Outdoor LED Display

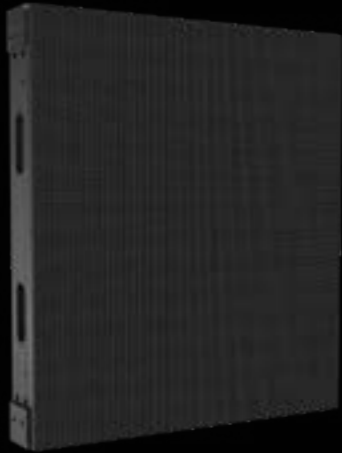
LIGHTHOUSE
CREATE IMPACT 



#LighthouseTech

VELOCITY VII SERIES

VII-2.5



VII-4, VII-6,
VII-8, VII-10

Velocity VII Series is our best-selling outdoor LED video display product. It offers outdoor fine-pitch at 2.5mm to standard 4mm, 6mm, 8mm, and 10mm pixel pitch. There are hundreds of application references shining at sports stadiums, arenas, universities, airports, transportation hubs, theme parks, casinos, shopping malls, racecourses, and digital out-of-home media worldwide.

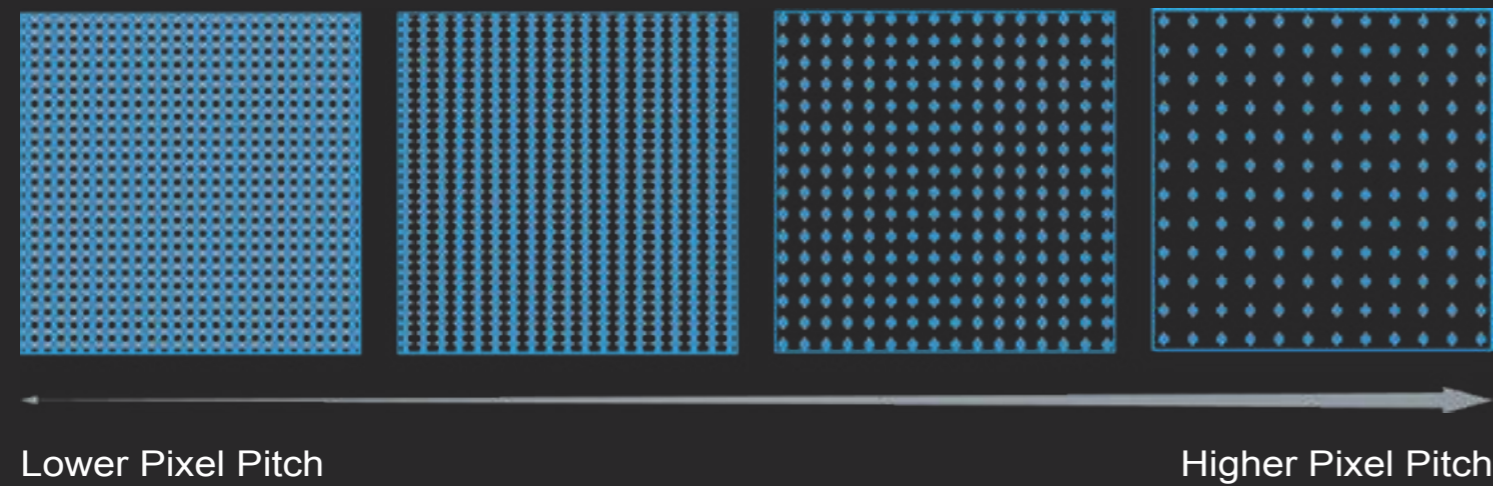
Velocity VII Series combines Lighthouse's decades of experience in perfecting large format outdoor video solutions. It represents Lighthouse's propriety formula in producing an outdoor LED video display that provides the highest return on investment to our customers through an excellent balance of superior video quality, cost-efficient design, ease of operation, and service, as well as proven durability.



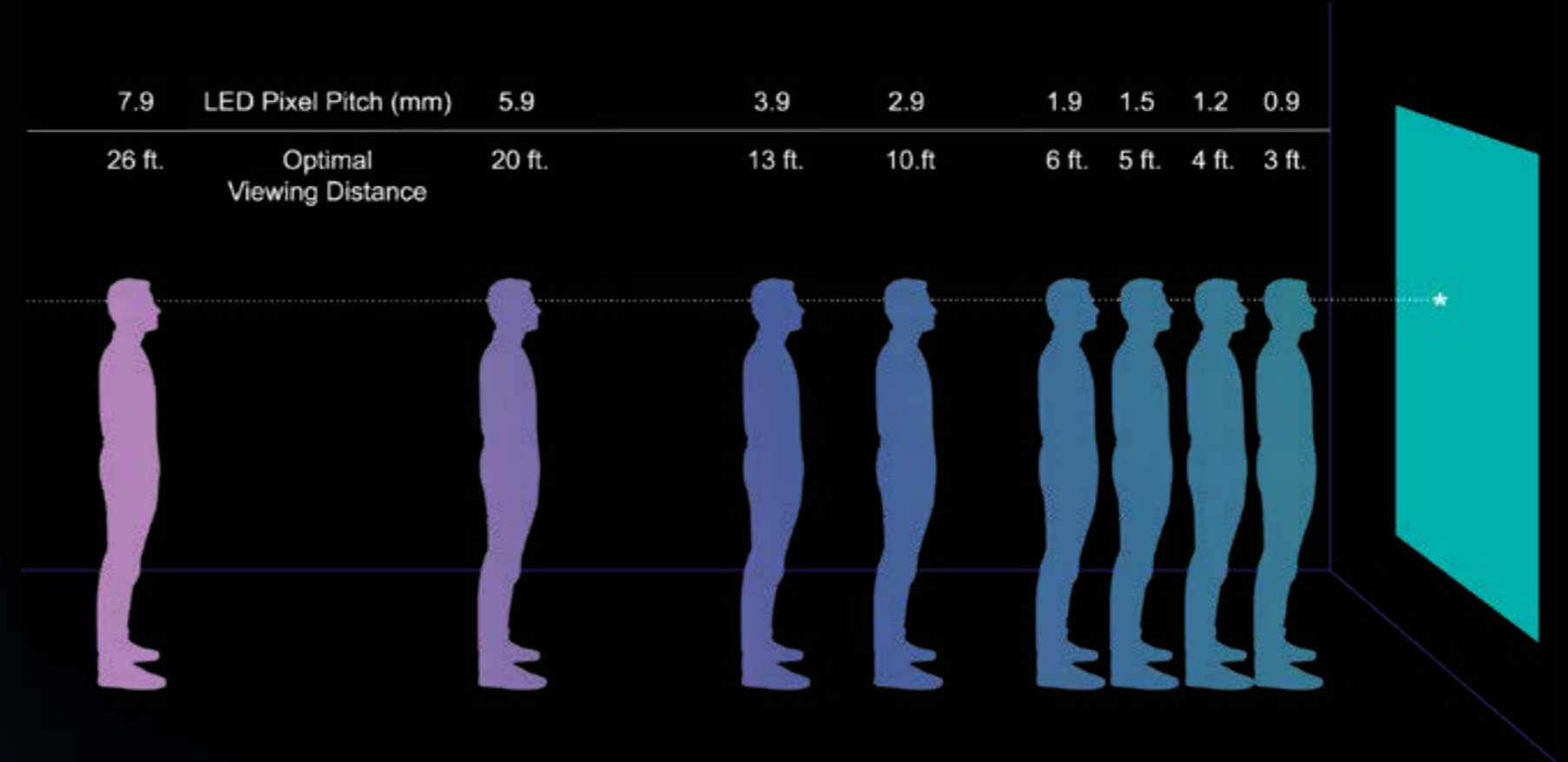
#StadiumLED

FOR ALL OUTDOOR APPLICATIONS

Velocity VII Series offers different panel sizes and pixel pitch, ranging from outdoor fine-pitch 2.5mm, 3.91mm, 6.25mm, 8.33mm, and 10mm, covering virtually all outdoor applications and installation requirements and locations.



Optimal LED Video Wall Viewing Distances





#DOOH
#VideoWall



PROVEN MODULE DESIGN

The quality of the LED module determines the performance of an LED video screen. Our industry-leading LED display module results from decades of experience, patented technologies, proven supply chain, and continuous quality improvement.



HIGH BRIGHTNESS

VII Series delivers high brightness at 4,000 nits for P2.5, and 6,000nits (up to 7,000 nits for P6 or above on request) for other pixel pitches, which ensure the screen broadcasts content remains well visible under any environment and direct sunlight.



WEATHERPROOF STRUCTURE

With front and rear IP65 (P2.5) and IP66 rating, VII Series can withstand high or low temperatures, dry or humid weather, desert or ocean climate environment (-20° to 50°).



PERFECTLY COMPATIBLE WITH NOVASTAR

VII Series powered by Lighthouse's proprietary LEAP-S LED video display processing platform is also fully compatible with the processor system.



SLIM AND LIGHT-WEIGHT DESIGN

The VII Series' slim and light-weight structure maximizes container utilization and transportation and installation costs.



BEST VISUAL PERFORMANCE

Lighthouse's video processing architecture results in the best visual performance under direct viewing or through the camera shootings which thanks to the high refresh rate without scarifying from Electromagnetic Compliance (EMC) requirement.



ADVANCED THERMAL MANAGEMENT

VII Series' fan-less design reduces operating noise, dust accumulation and maintenance costs through advanced thermal management to provide better electronic performance and energy efficiency.



CURVE SCREEN READY

VII Series with panel case is customized to accommodate curved installation with the minimal mechanical gap from a mild curve up to a 90° corner installation.



PROFESSIONAL COLOR UNIFORMITY

VII Series is fully calibrated with both brightness and color for the least brightness variance and accurate color reproduction from the video source.



WIDE VISUAL VIEWING ANGLE

The crowd-pleasing optimum viewing angle of 160° horizontal and 130° vertical maximizes the effective broadcast reach.

#BuiltToLast





VII-2.5

PERFECT FOR A 16:9 HIGH-RESOLUTION OUTDOOR DISPLAY

10x10
9x9
8x8
7x7
6x6
5x5
4x4
3x3
2x2
1x1

10 x 10	4.8m x 5.4m	15.7ft. x 17.7ft.
9 x 9	4.32m x 4.86m	14.13ft. x 15.93ft.
8 x 8	3.84m x 4.32m	12.56ft. x 14.16ft.
7 x 7	3.36m x 3.78m	10.99ft. x 12.39ft.
6 x 6	2.88m x 3.24m	9.42ft. x 10.62ft.
5 x 5	2.4m x 2.7m	7.85ft. x 8.85ft.
4 x 4	1.92m x 2.16m	6.28ft. x 7.08ft.
1 x 1	0.48m x 0.54m	1.57ft. x 1.77ft.



VII-4

10x10
9x9
8x8
7x7
6x6
5x5
4x4
3x3
2x2
1x1

10 x 10	5 x 5m	16.4ft. x 16.4ft.
9 x 9	4.5m x 4.5m	14.76ft. x 14.76ft.
8 x 8	4m x 4m	13.12ft. x 13.12ft.
7 x 7	3.5m x 3.5m	11.48ft. x 11.48ft.
6 x 6	3m x 3m	9.84ft. x 9.84ft.
5 x 5	2.5m x 2.5m	8.2ft. x 8.2ft.
4 x 4	2m x 2m	6.56ft. x 6.56ft.
1 x 1	0.5m x 0.5m	1.64ft. x 1.64ft.



VII-6, VII-8, VII-10

10x10
9x9
8x8
7x7
6x6
5x5
4x4
3x3
2x2
1x1

10 x 10	16m x 8m	52.5ft. x 26.25ft.
9 x 9	14.4m x 7.2m	47.25ft. x 23.62ft.
8 x 8	12.8m x 6.4m	42ft. x 21ft.
7 x 7	11.2m x 5.6m	36.75ft. x 18.37ft.
6 x 6	9.6m x 4.8m	31.5ft. x 15.75ft.
5 x 5	8m x 4m	26.25ft. x 13.12ft.
4 x 4	6.4m x 3.2m	21ft. x 10.5ft.
1 x 1	1.6m x 0.8m	5.25ft. x 2.62ft.



#DOOH

Visual Characteristics

		VII-2.5	VII-4	VII-6	VII-8	VII-10
Brightness	nits	4000	6000	6000 (up to 7000 optional)		
Visual Viewing Angle - Horizontal	degs.	150 (-75 / +75)	160 (-80 / +80)	160 (-83 / +72)	158 (-80 / +78)	160 (-77 / +83)
Visual Viewing Angle - Vertical	degs.	140 (-75 / +65)	160 (-80 / +80)	128 (-68 / +60)	130 (-65 / +65)	110 (-58 / +52)
Pixel Configuration	R/G/B	SMD 3 in 1				
Pixel Pitch	mm	2.5	3.91	6.25	8.33	10.0
Processing Depth	bit	16				

Modular Characteristics

Aspect Ratio		8:9	1:1	1:2		
Panel Width	mm / ft	480 / 1.57	500 / 1.64	800 / 2.62		
Panel Height	mm / ft	540 / 1.77	500 / 1.64	1,600 / 5.25		
Panel Surface Area	sq.m / sq.ft	0.26 / 2.79	0.25 / 2.69	1.28 / 13.78		
Pixel Resolution	w x h	192 x 216	128 x 128	128 x 256	96 x 192	80 x 160

Environmental

Ingress Protection (Front / Rear)	IP	IP65	IP66 / IP66			
Lifetime (50% brightness)	hrs	≥100,000				

* Specification is based on the use of DSBJ for VII-2 and Nationstar LED for VII-4 and above.

* Lighthouse reserves the right to change any specifications without prior notification.

Potential is Endless

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