



# AE-1200 & 2000 Series

INDOOR — PROSTAR VIDEO DISPLAYS



**Mall at Millenia  
Orlando, Florida**  
240x96 matrix 12 mm RGB



## ProStar® Full-Color Indoor Video Displays

- Daktronics is the world leader in providing flexible and reliable LED video and advertising displays.
- Daktronics makes significant investments in ongoing research and development to provide products and features that meet customers' needs.
- More than 1,000 Daktronics full-color LED displays have been installed worldwide.
- Display non-video content such as animated advertisements and messages.
- Modular approach to display construction allows for virtually any size or shape of display.
- Remove modules from the front or rear of the display for easy maintenance and servicing.

## Unparalleled Picture Quality

- Images in up to 4.3 trillion color shades will dazzle any audience.
- Daktronics unique calibration process ensures consistent module intensity throughout and avoids the "patchwork" effect common with other manufacturers' displays.
- A patented module design provides better contrast and less glare from the face of the display.
- Daktronics uses the highest quality red, green and blue LEDs to provide wide-viewing angles and maximum brightness.
- Display brightness levels are easily adjusted to achieve the best possible viewing for various lighting conditions.
- Various pixel pitches are available to design a video display with the right resolution and viewing distance to fit any application.

## Complete Control

- Daktronics is the clear choice for customers exploring the unique applications of LED technology.
- Design and control non-traditional display shapes.
- ProStar display systems eliminate the constraints associated with other LED video display systems.
- Daktronics has more than 35 years of experience controlling displays.
- Manage numerous displays over LAN or WAN.
- Download display content over the Internet.
- Receive and display live news updates, sports scores and stock quotes.
- Send event triggers to external equipment.
- Take advantage of remote diagnostic features.
- Adjust color, gamma and brightness settings for each module or the entire display.
- Log advertising messages and give proof-of-performance reports as customers demand.
- Use scripting commands to control display operation.
- Work with a seasoned team of applications engineers to help maximize results.



**PSA Peugeot Citroen  
Paris, France**  
256x448 matrix 10 mm RGB

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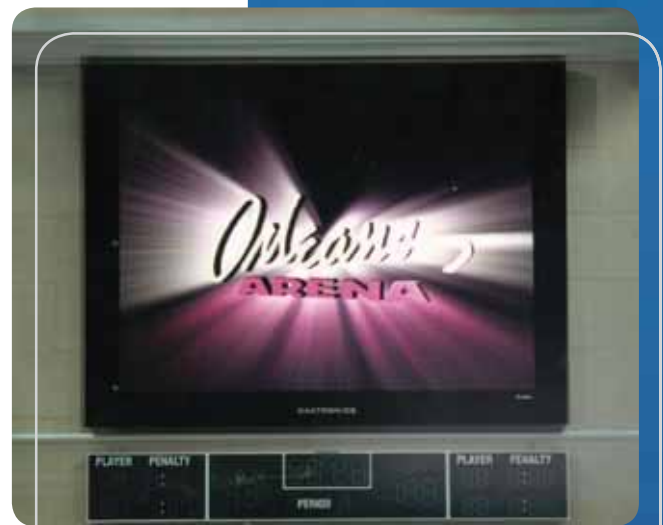
**Mohegan Sun Casino  
Uncasville, Connecticut**  
192x240 matrix 12 mm RGB  
BB-2023-9 basketball scoreboard

**68 Billion Colors**

**AE-1200 Technical Specifications**

Pixel pitch (c-c)	3 mm	6 mm
Pixel arrangement (red/green/blue LEDs)	3 in 1 SMT*	3 in 1 SMT*
Module configuration (pixels H x pixels W)	64x64	16x32
Module size (H x W)	7.56" x 7.56" 19.2 x 19.2 (mm)	3.78" x 7.56" 9.6 x 19.2 (mm)
Display weight per module	5.4 lb 2.45 kg	2.25 lb 1.02 kg
Minimum viewing distance	6.77' 2.06 m	13.53' 4.13 m
Minimum character height	.83" 21 mm	1.65" 42 mm
Watts per module	85.3	20
Intensity (nits)	1,600 nits	1,200 nits
Horizontal viewing angle	140 degrees	140 degrees
Vertical viewing angle	140 degrees	140 degrees
LED lifetime	100,000 hours	100,000 hours

SMT\*=surface mount technology



**Orleans Arena  
Las Vegas, Nevada**  
320x448 matrix 16.5 mm RGB  
BB-2116 basketball scoreboard

**4.3 Trillion Colors**

**AE-2000 Technical Specifications**

Pixel pitch (c-c)	10 mm	12 mm	16.5 mm
Pixel arrangement (red/green/blue LEDs)	3 in 1 SMT*	1R/1G/1B SMT*	2R/1G/1B SMT*
Module configuration (pixels H x pixels W)	32x32	16x16	16x16
Module size (H x W)	12.48"x12.48" 31.7 x 31.7 mm	7.55"x7.55" 19.2 x 19.2 mm	10.40"x10.40" 26.4 x 26.4 mm
Display weight per module	9 lb 4.08 kg	5 lb 2.27 kg	8 lb 3.63 kg
Minimum viewing distance	22.56' 6.88 m	27.07' 8.25 m	37.22' 11.34 m
Minimum character height	2.76" 70 mm	3.31" 84 mm	4.55" 115.5 mm
Watts per module	114	48	91
Intensity (nits)	2,000 nits	2,000 nits	2,000 nits
Horizontal viewing angle	60 degrees	140 degrees	140 degrees
Vertical viewing angle	140 degrees	140 degrees	140 degrees
LED lifetime	100,000 hours	100,000 hours	100,000 hours

SMT\*=surface mount technology



**New York Racing Association  
Aqueduct, Belmont and  
Saratoga Race Tracks**  
160x208 matrix 34 mm RGB



# AE-1200 & 2000 Series

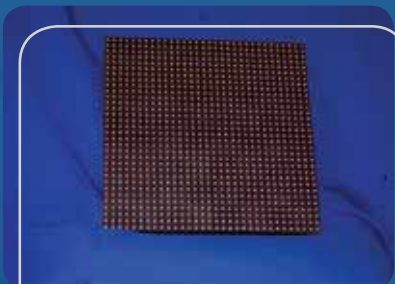
INDOOR — PROSTAR VIDEO DISPLAYS



Venus® 7000 controller



V-Link® video processor



ProStar® 10 mm indoor module

## Model Number Guide

AE-1200-96x128-10-RGB

Matrix	LED Outdoor	Series Number	Pixel Pitch	Red, Green and Blue LEDs
		Matrix Height	Matrix Length	

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## 3 mm (.12") AE-1200 Model Specifications

(All Specifications are Approximate)

Matrix Size	Approx. Cabinet Dimensions	Approx. Cabinet Dimensions	Approx. Weight	Total Pixels	Max. Power Usage
	Feet - Inches (H x W)	Meters (H x W)	Pounds (kg)		Watts/Face
128x192	2'3" x 2'11"	.69 x .88	32 (15)	24,576	512
192x256	2'11" x 3'6"	.88 x 1.07	65 (29)	49,152	1,024
192x320	2'11" x 4'2"	.88 x 1.26	81 (37)	61,440	1,280
256x320	3'6" x 4'2"	1.07 x 1.26	108 (49)	81,920	1,706
256x384	3'6" x 4'9"	1.07 x 1.45	130 (59)	98,304	2,047
320x384	4'2" x 4'9"	1.26 x 1.46	162 (74)	122,880	2,559
320x448	4'2" x 5'5"	1.26 x 1.65	189 (86)	143,360	2,986
384x512	4'9" x 6'0"	1.46 x 1.84	259 (118)	196,608	4,094
384x576	4'9" x 6'8"	1.45 x 2.03	292 (132)	221,184	4,606
448x576	5'5" x 6'8"	1.65 x 2.03	340 (154)	258,048	5,374
448x640	5'5" x 7'4"	1.65 x 2.24	378 (172)	286,720	5,971
448x704	5'5" x 7'11"	1.65 x 2.42	416 (189)	315,392	6,568
512x832	6'0" x 9'2"	1.84 x 2.80	562 (255)	425,984	8,871
512x896	6'0" x 9'10"	1.84 x 2.99	605 (274)	458,752	9,554
512x960	6'0" x 10'5"	1.84 x 3.18	648 (294)	491,520	10,236
576x960	6'8" x 10'5"	2.03 x 3.18	729 (331)	552,960	11,516
576x1024	6'8" x 11'1"	2.03 x 3.38	778 (353)	589,824	12,283

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



## 6 mm (.24") AE-1200 Model Specifications

(All Specifications are Approximate)

Matrix Size	Approx. Cabinet Dimensions	Approx. Cabinet Dimensions	Approx. Weight	Total Pixels	Max. Power Usage
	Feet - Inches (H x W)	Meters (H x W)	Pounds (kg)		Watts/Face
96x128	2'3" x 2'10"	.69 x .87	54 (24)	12,288	480
128x160	2'10" x 3'6"	.87 x 1.07	90 (41)	20,480	800
144x192	3'2" x 4'2"	.97 x 1.26	122 (55)	27,648	1,080
160x224	3'6" x 4'9"	1.06 x 1.45	158 (71)	35,840	1,400
176x224	3'10" x 4'9"	1.16 x 1.45	173 (78)	39,424	1,540
192x256	4'2" x 5'5"	1.26 x 1.65	216 (97)	49,152	1,920
208x288	4'5" x 6'1"	1.36 x 1.85	264 (118)	59,904	2,340
224x288	4'9" x 6'1"	1.45 x 1.85	284 (128)	64,512	2,520
240x320	5'1" x 6'8"	1.55 x 2.03	338 (152)	76,800	3,000
256x352	5'5" x 7'4"	1.65 x 2.24	396 (178)	90,112	3,520
272x352	5'9" x 7'4"	1.75 x 2.24	421 (189)	95,744	3,740
288x384	6'1" x 8'0"	1.85 x 2.43	486 (219)	110,592	4,320
304x416	6'4" x 8'7"	1.94 x 2.62	556 (250)	126,464	4,940
320x416	6'8" x 8'7"	2.03 x 2.62	585 (263)	133,120	5,200
336x448	7'0" x 9'3"	2.14 x 2.82	662 (298)	150,528	5,880
352x480	7'4" x 9'11"	2.24 x 3.02	743 (334)	168,960	6,600
368x480	7'8" x 9'11"	2.33 x 3.02	776 (349)	176,640	6,900

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



## 10 mm (.39") AE-2000 Model Specifications

(All Specifications are Approximate)

Matrix Size	Approx. Cabinet Dimensions	Approx. Cabinet Dimensions	Approx. Weight	Total Pixels	Max. Power Usage
	Feet - Inches (H x W)	Meters (H x W)	Pounds (kg)		Watts/Face
96x128	4'2" x 5'3"	1.26 x 1.58	105 (49)	12,288	1,368
96x160	4'2" x 6'3"	1.26 x 1.90	135 (61)	15,360	1,710
128x160	5'3" x 6'3"	1.58 x 1.90	180 (82)	20,480	2,280
128x192	5'3" x 7'4"	1.58 x 2.24	216 (98)	24,576	2,736
160x224	6'3" x 8'5"	1.90 x 2.54	315 (143)	35,840	3,990
160x256	6'3" x 9'5"	1.90 x 2.86	360 (163)	40,960	4,560
192x256	7'4" x 9'5"	2.24 x 2.86	432 (196)	49,152	5,472
192x288	7'4" x 10'6"	2.24 x 3.20	486 (220)	55,296	6,156
224x288	8'5" x 10'6"	2.54 x 3.20	567 (257)	64,512	7,182
224x320	8'5" x 11'6"	2.54 x 3.50	630 (286)	71,680	7,980
256x320	9'5" x 11'6"	2.86 x 3.50	720 (326)	81,920	9,120
256x352	9'5" x 12'7"	2.86 x 3.82	792 (359)	90,112	10,032
288x384	10'6" x 13'8"	3.20 x 4.17	972 (441)	110,592	12,312
288x416	10'6" x 14'8"	3.20 x 4.46	1,053 (477)	119,808	13,338
320x416	11'6" x 14'8"	3.50 x 4.46	1,170 (530)	133,120	14,820
320x448	11'6" x 15'9"	3.50 x 4.80	1,260 (571)	143,360	15,960
352x480	12'7" x 16'9"	3.82 x 5.10	1,485 (673)	168,960	18,810

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



## 12 mm (.47") AE-2000 Model Specifications

(All Specifications are Approximate)

Matrix Size	Approx. Cabinet Dimensions	Approx. Cabinet Dimensions	Approx. Weight	Total Pixels	Max. Power Usage
	Feet - Inches (H x W)	Meters (H x W)	Pounds (kg)		Watts/Face
80x160	4'2" x 7'4"	1.26 x 2.24	250 (114)	12,800	2,400
80x192	4'2" x 8'7"	1.26 x 2.62	300 (136)	15,360	2,880
96x128	4'9" x 6'0"	1.45 x 1.84	240 (109)	12,288	2,304
96x176	4'9" x 7'11"	1.45 x 2.42	330 (150)	16,896	3,168
96x224	4'9" x 9'10"	1.45 x 2.99	420 (191)	21,504	4,032
112x144	5'5" x 6'8"	1.65 x 2.03	315 (143)	16,128	3,024
128x176	6'0" x 7'11"	1.84 x 2.42	440 (200)	22,528	4,224
144x192	6'8" x 8'7"	2.03 x 2.62	540 (245)	27,648	5,184
160x208	7'4" x 9'2"	2.24 x 2.80	650 (295)	33,280	6,240
176x240	7'11" x 10'5"	2.42 x 3.18	825 (375)	42,240	7,920
192x256	8'7" x 11'1"	2.62 x 3.38	960 (436)	49,152	9,216
208x272	9'2" x 11'8"	2.80 x 3.57	1,105 (502)	56,576	10,608
224x288	9'10" x 12'4"	2.99 x 3.76	1,260 (572)	64,512	12,096
240x320	10'5" x 13'7"	3.18 x 4.14	1,500 (681)	76,800	14,400
256x336	11'1" x 14'3"	3.38 x 4.33	1,680 (763)	86,016	16,128
272x368	11'8" x 15'6"	3.57 x 4.72	1,955 (888)	100,096	18,768
288x384	12'4" x 16'1"	3.76 x 4.91	2,160 (981)	110,592	20,736

Additional matrix sizes are available

Measurements are approximate. For precise measurements, request a Daktronics shop drawing.



**Toyota Center - Houston Rockets**  
Houston, Texas  
ProStar® 432x768 matrix 6 mm RGB  
ProAd® 32x1280 matrix 23 mm RGB



**University of Arkansas Fayetteville, Arkansas**  
ProStar® 224x288 matrix 10 mm RGB  
ProAd® 64x140 matrix 16.5 mm RGB  
ProAd® 48x1152 matrix 16.5 mm RGB  
BA-2002-4060-11 four-sided basketball scoreboard



**Qwest Center Omaha, Nebraska**  
ProStar® 160x224 matrix 16.5 mm RGB and 112x160 matrix 23 mm RGB  
ProAd® 24x3328 matrix 23 mm RGB  
Custom LED scoreboard  
LED Auxiliary Scoring Display  
LED four-sided game clock/shot timer