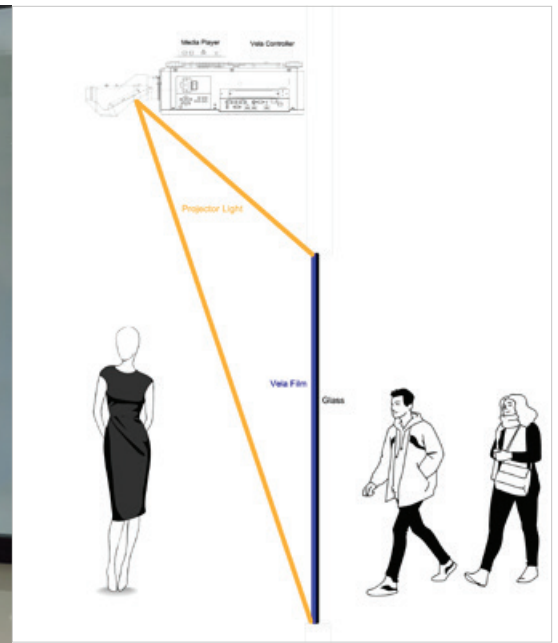# SHARP / NEC

Sharp NEC Display Solutions ActiveScene™ Dynamic Display System

VELA™ by Avery Dennison

ActiveScene – Intelligent Display Solutions

The Sharp/NEC ActiveScene™ is an innovative turnkey solution that combines NEC projection technology and the Avery Dennison Vela Dynamic Display System with a complete site survey and installation process delivering the perfect solution for dynamic advertising and digital media. ActiveScene is adaptable to windows of any dimension, transforming transparent windows to advertising display screens, alerting customers and onlookers about promotions, flash sales, and new products.

The ActiveScene solution offers a large display canvas without bezels to distract from the image. The many installation options deliver the flexibility to adapt to most locations. In addition, the base solution includes everything needed for a standard installation, including a media player and Content Management System (CMS).

Ideal Application Areas

- Exciting customer-facing retail advertising
- Dynamic, engaging exhibits in museums
- Privacy and collaboration applications in corporate environments
- Retrofit installation in quick serve restaurants
- Eye-catching merchandising in sports arenas

ActiveScene Solution Components

Sharp/NEC ActiveScene is a complete signage solution and includes everything necessary to transform a glass wall into a dynamic media canvas.

- NEC projector, lens and standard mount
- Vela film
- Vela designated controllers
- Media player
- Basic CMS

ActiveScene Solution Delivers

- Excellent screen quality for rear projection
- 178° viewing angle
- Flexible use of open-concept space
- Innovative technology in the work environment
- Ability to connect to smart home apps
- Whiteboard functionality
- Site survey and installation
- Control of 1 or more Vela sheets as independent screens
- Easy maintenance
- 3 year warranty on system including Vela film with 5 year warranty on projector

ActiveScene   VELA   AVERY DENNISON

ActiveScene

Retail

Reinvent the way promotions are utilized to engage customers. Storefronts almost always incorporate glass panels that allow customers to see directly into the store. With ActiveScene you can transform that glass into a marketing centric piece that switches between clear glass and dynamic promotional material. Whether the promotion is tied to the company's branding efforts or is product specific, the material will engage and draw attention from customers.

Marketing and promotional material can be viewed by your customers when the Vela film is in its opaque state. When opaque, the glass becomes a rear projection screen and all content is shared outside the storefront to the passersby. The included CMS can schedule these transitions along with content changes for an intentional, dynamic experience.

Museum

Museums vary greatly in how material is presented to the audience. The dynamics utilizing visual displays help set the tone and create an experience that is designed to keep visitors returning. The introduction of ActiveScene to the environment brings a completely new way to tell stories and bring the exhibit to life.

Reinvent dioramas to enhance the overall story. ActiveScene brings the diorama to life, allowing a story to be told on the glass before turning transparent to reveal the diorama.

Corporate

Boardrooms, conference rooms, lobbies and large gathering spaces within the corporate environment typically have glass that is under-utilized. ActiveScene can provide privacy upon request and, at the same time, a screen for marketing messages.

Viewers observing ActiveScene will be amazed how projected material can transform an open space into a marketing stage by using its innovative technology: atransformation from transparent to translucent that occurs instantly, creating a dynamic experience.

Corporate Collaboration

No more cumbersome installations of whiteboards or easels within your meeting rooms, training rooms or corporate boardrooms. ActiveScene turns traditional glass into a whiteboard surface. Take notes, share ideas when brainstorming all while keeping the discussions private.

		AS60U-PX39ML	AS96U-PX39ML	AS60U-PA44ML	AS60S-PA41ZL	AS32S-P605UL
Projector		PX1004UL		PA803UL		P605UL
Screen Size (Min)		(4' x 5') or (5' x 4')	(4' x 5') or (5' x 4')	(4' x 5') or (5' x 4')	(4' x 5') or (5' x 4')	(4' x 5') or (5' x 4')
Screen Size (Max)		(6' x 10') or (10' x 6')	(8' x 12') or (12' x 8')	(6' x 10') or (10' x 6')	(6' x 10') or (10' x 6')	(4' x 8') or (8' x 4')
Light Output (lumens)		10,000		8,000		6,000
Resolution	Native	WUXGA 1920 x 1200				
Contrast Ratio	Projector	10,000:1 with Dynamic Black		2,500,000:1 with light adjust		600,000:1 with Light Adjust
Input Terminals	RGB1 (analog)	VGA 15 pin D-sub, Component video using ADP-CV1E adapter				
	RGB2 (digital)	HDMI (V2.0) w/HDCP (V1.4/2.2)				HDMI w/ HDCP (v1.4)
	RGB3 (digital)	DisplayPort w/HDCP (V1.4)		HDMI (V2.0) w/HDCP (V1.4/2.2)		HDBaseT
	RGB4 (digital)	DisplayPort w/HDCP (V1.4)				
	RGB5 (digital)			HDBaseT w/HDCP (V1.4/2.2)		
Output Terminals	Monitor Out	HDMI (V2.0) w/HDCP (V1.4/2.2)		HDBaseT w/HDCP (V1.4/2.2)		
External Control		RS-232, IR, DDC/CI				
Control Terminals		HDBaseT, LAN, PC Control (D-Sub 9-Pin), Wired Remote (Stereo Mini Jack), Trigger (Stereo Mini Jack)		RS-232, IR, HDBaseT, DDC/CI, RJ-45, USB (USB 2.0)		RS-232 (D-Sub 9pin), IR, RJ45
Power Requirements	Projector	100-240V AC, 50/60 Hz				
Input Current		11.6A		10.5A - 4.5A		5.5A - 2.3A
Power Consumption	(Boost Mode/Normal Mode/Eco Mode/Standby Sleep/Standby Normal) Projector	1220W / 625W / 4.3W / 0.2W		647W / 414W / 0.64W / 0.11W		367W / 261W / 1.4W / 0.13W
Product Dimensions (WxHxD)	Projector	19.7 x 22.9 x 8.5 in. / 500 x 583 x 216mm		22.8 x 19.4 x 8.2 in. / 580 x 494 x 208mm		18.9 x 16.0 x 5.6 in. (480 x 407 x 142.5 mm)
Net Weight	Projector	63.9 lbs. / 29.0 kg		40.1 lbs. / 18.2 kg		21.4 lbs. (9.7 kg)
Fan Noise		42 dB normal / 38 dB eco		42 dB normal / 34 dB eco		28dB (HIGH BRIGHT) / 25dB (OTHERS) / 19dB (ECO)
Regulations	US	USA UL60950-1: 2nd edition, FCC Part15 Subpart B(ANSI C63.4.2014)		USA UL60950-1: 2nd edition, FCC Part15 Subpart B(ANSI C63.4.2014)		UL60950-1:2nd edition,2014, UL62368-1:2nd Edition, FDA, FCC Part15 Subpart B(ANSI C63.4:2014), Proposition65, TPCH
	Canada	CAN/CSA C22.2 No.60950-1-07,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)		CAN/CSA C22.2 No.60950-1-07,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)		CAN/CSA C22.2 No.60950-1-07,2nd Edition,2014, ICES-003 Issue6(ANSI C63.4:2014)
Operating	Temperature	41-104°F / 5-40°C				
	Humidity	20-80% non-condensing				
Storage	Temperature	-4-140°F / -20-60°C				
	Humidity	10% - 85% (non-condensing)				
Vela Film	State	OFF	ON			
	Appearance	Translucent	Clear			
	Parallel Visible Light Transmittance	3%	78%			
	Total Visible Light Transmittance	65%	81%			
	Haze	>99%	3%			
	Switching Time	OFF ON = 10msec	ON OFF = 150msec			
	Power Requirements Controller	70 VAC sq wave, 25-30, 32, 50-60 Hz				
	Input Current Controller	1.66A				
	Power Consumption Controller	2-4W				
	Regulations Controller	IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013 Test Procedure : CB Scheme Compliant with UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1				
	Product Dimensions (WxHxD) Controller (Single Channel)	4.0 x 1.5 x 6.7 in. / 102 x 39 x 165 mm				
	Controller (Multi Channel)	4.0 x 1.5 x 6.5 in. / 102 x 39 x 222 mm				
	Net Weight Controller (Single Channel)	1.5 lbs. / 0.68 kg				
	Controller (Multi Channel)	2.0 lbs. / 0.92 kg				
	Operating Temperature	-4-158°F / -20-70°C				
	Features	Scratch-resistant hard coating to ensure easy, scratch-free maintenance				
		Advanced controller hardware delivers best performance				
		Improved power protection				
		Compatibility with smart systems & wifi				
		Multi-window control				
		Customization: Laser cut to different shapes and sizes				
		Low energy consumption				
Media Player	Brightsign	All				
CMS	Signagelive	All				
	YCD	All				
	Brightsign	All				
Ordering Model Number		PX39ML-Vela60	PX39ML-Vela96	PA44ML-Vela60	PA41ZL-Vela60	P605UL-Vela32

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