

* All images in this datasheet are for illustrative purposes only.

UHD Signage UV5N-E Series

UHD Digital Signage with **BrightSignOS™**



BrightSignOS



Super High Resolution



Design for Space Utilization



Enhanced Security

UV5N-E Series

Screen Size	65" / 55" / 49"
Screen Resolution	3,840 × 2,160 (UHD)
Brightness	500 nits (Typ.)
Surface Treatment (Haze)	28%
Bezel Width	8.9 mm (T/R/L), 12.9 mm (B)



BrightSignOS™

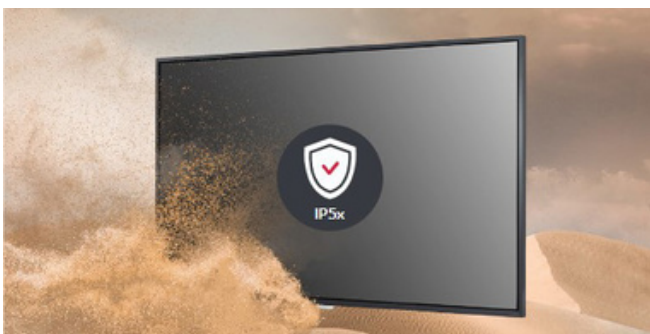
Leading the way in digital signage, the UV5N-E is powered by BrightSignOS, known for its security, reliability, sustainability, and support. Running BrightSignOS also includes a free bsn.Control subscription for remote multidevice monitoring and seamless integration with over 100 CMS solutions.



Design for Space Utilization

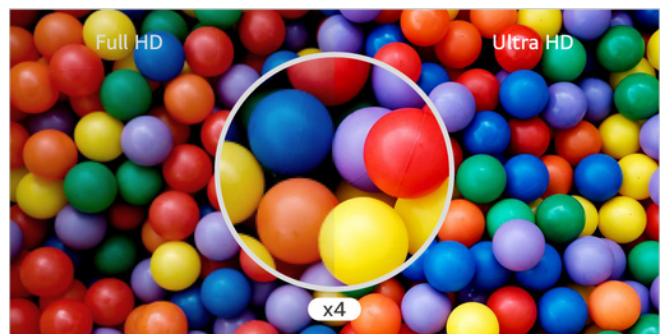
Designed with thin bezels and simple cable management, the UV5N-E takes up minimal space. With specialized hidden power inlets, it can be installed close to the wall, leaving only about 13 mm (one-half inch) of space with the slim bracket.

Note: The product image will differ slightly from the actual appearance of the product based on which size model is in use.



Durability that Provides Reliability

Optimized for high-use business environments, the UV5N-E has an IP5x dust protection rating, conformal coating of the power board, 30-degree screen tilting, and shock monitoring.



High Resolution Display

Offering a resolution that is four times higher than FHD, the UV5N-E delivers crisp visuals to customers. Additionally, the anti-glare coating on the screen reduces screen reflection in brightly lit environments.



Enhanced Security Features

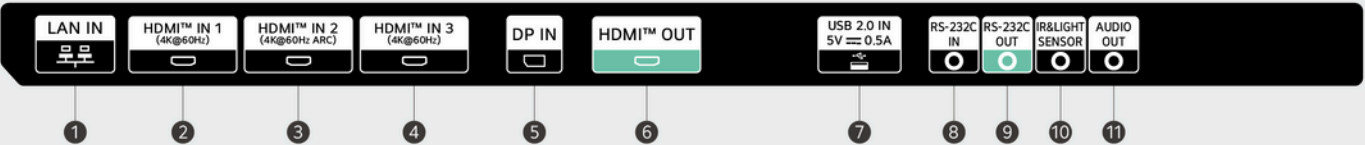
Built exclusively for digital signage, BrightSignOS offers a fortified security system that can be configured to any security profile with a secure, signature-verified operating system that runs only approved signage applications. This security extends to integrated CMS solutions and the free bsn.Control remote management service.

Sustainability

With a commitment to innovation and sustainability, LG is continuously striving to create a better future for manufacturers, consumers, and generations to come. This product has been certified FCC Class B for EMC emissions in keeping with that commitment.

CONNECTIVITY

65" / 55" / 49"



- 1 LAN IN
- 2 HDMI IN 1
- 3 HDMI IN 2
- 4 HDMI IN 3
- 5 DP IN
- 6 HDMI OUT
- 7 USB 2.0 IN
- 8 RS-232C IN
- 9 RS-232C OUT
- 10 IR & LIGHT SENSOR
- 11 AUDIO OUT

SPECIFICATIONS

	Spec Items	65UV5N-E	55UV5N-E	49UV5N-E
Panel	Screen Size (Inch)	65"	55"	49"
	Panel Technology	IPS	IPS	IPS
	Back Light Type	Edge	Edge	Edge
	Aspect Ratio	16:9	16:9	16:9
	Native Resolution	3840 x 2160 (UHD)	3840 x 2160 (UHD)	3840 x 2160 (UHD)
	Refresh Rate	60Hz	60Hz	60Hz
	Brightness (Typ.)	500 nits	501 nits	502 nits
	Contrast Ratio	1,100:1	1,200:1	1,100:1
	Dynamic CR	1,000,000:1	1,000,000:1	1,000,000:1
	Color Gamut	BT709 95%	BT709 95%	BT709 95%
	Viewing Angle (H x V)	178° X 178°	178° X 178°	178° X 178°
	Color Depth (Number of Colors)	10 bit, 1.07 Billion colors	11 bit, 1.07 Billion colors	12 bit, 1.07 Billion colors
	Response Time	Tr: 8ms / Tf: 10ms	Tr: 8ms / Tf: 10ms	Tr: 8ms / Tf: 10ms
	Surface Treatment (Haze)	28%	28%	28%
	Lifetime*	Up to 50,000 hours	Up to 50,000 hours	Up to 50,000 hours
	Operation Hours (Hours/Day)	24/7	24/7	24/7
Portrait / Landscape	Yes / Yes	Yes / Yes	Yes / Yes	
Connectivity	HDMI In	Yes (x3) 3840x2160 @ 60Hz HDCP 2.2/1.4	Yes (x3) 3840x2160 @ 60Hz HDCP 2.2/1.4	Yes (x3) 3840x2160 @ 60Hz HDCP 2.2/1.4
	DP In	Yes (x1) 3840x2160 @ 60Hz HDCP2.2/1.3	Yes (x1) 3840x2160 @ 60Hz HDCP2.2/1.3	Yes (x1) 3840x2160 @ 60Hz HDCP2.2/1.3
	RS232C In	Yes (x1), 4-pin 3.5mm jack	Yes (x1), 4-pin 3.5mm jack	Yes (x1), 4-pin 3.5mm jack
	RJ45(LAN) In	Yes (x1)	Yes (x1)	Yes (x1)
	IR In	Yes (x1)	Yes (x1)	Yes (x1)
	USB In	USB2.0 Type A (x1)	USB2.0 Type A (x1)	USB2.0 Type A (x1)
	HDMI Out	Yes (x1) 3840x2160 @ 30Hz Input: HDMI1/2/3/DP	Yes (x1) 3840x2160 @ 30Hz Input: HDMI1/2/3/DP	Yes (x1) 3840x2160 @ 30Hz Input: HDMI1/2/3/DP
	Audio Out	Yes (x1)	Yes (x1)	Yes (x1)
	RS232C Out	Yes (x1), 4-pin 3.5mm jack	Yes (x1), 4-pin 3.5mm jack	Yes (x1), 4-pin 3.5mm jack
Daisy Chain	Yes (Input HDMI, DP / Output HDMI)	O(Input HDMI, DP / Output HDMI)	O(Input HDMI, DP / Output HDMI)	
Mechanical	Bezel Color	Black	Black	Black
	Bezel Width	T/R/L: 8.9mm, B: 12.9mm	T/R/L: 8.9mm, B: 12.9mm	T/R/L: 8.9mm, B: 12.9mm
	Weight	53.4 lbs. / 24.2 kg	35.5 lbs. / 16.1 kg	30.0 lbs. / 13.6 kg
	Shipping Weight	67.0 lbs. / 30.4 kg	45.2 lbs. / 20.5 kg	35.5 lbs. / 16.1 kg
	Dimensions without IR (W x H x D)	57.1 x 32.7 x 1.2 in. 1450.3 x 830.3 x 29.7 mm	48.5 x 27.8 x 1.2 in. 1231.4 x 707.2 x 29.7 mm	43.1 x 24.8 x 1.2 in. 1095.6 x 630.8 x 29.7 mm
	Carton Dimensions (W x H x D)	63.0 x 38.2 x 8.8 in. 1600.0 x 970.0 x 172.0 mm	53.5 x 31.9 x 6.0 in. 1360.0 x 810.0 x 152.0 mm	47.8 x 29.0 x 6.0 in. 1215.0 x 736.0 x 152.0 mm
	Handle	No	No	No
	Tilt (Face down)	Yes (Max 30-degrees, 104°F temp.)	Yes (Max 30-degrees, 104°F temp.)	Yes (Max 30-degrees, 104°F temp.)
	Solid Ingress Rating (Dust Protection)	IP5X	IP5X	IP5X
	Conformal Coating (Power Board)	Yes	Yes	Yes
	VESA™ Standard Mount Interface	300 x 300	300 x 300	300 x 300
	Operation Temperature	32°F to 104°F 0°C to 40°C	32°F to 104°F 0°C to 40°C	32°F to 104°F 0°C to 40°C
	Operation Humidity	10% to 80%	10% to 80%	10% to 80%
	Hardware Features	Internal Memory (eMMC)	16 GB	16 GB
Built-in Wi-Fi / Bluetooth		Yes / Yes	Yes / Yes	Yes / Yes
Temperature Sensor		Yes	Yes	Yes
Auto Brightness Sensor		Yes	Yes	Yes
Acceleration(Gyro) Sensor		Yes	Yes	Yes
Local Key Operation		Yes	Yes	Yes
Power Supply		100 to 240 Vac, 50/60Hz	100 to 240 Vac, 50/60Hz	100 to 240 Vac, 50/60Hz
Electrical	Power Type	Built-In Power	Built-In Power	Built-In Power
	Typ.	145W	110W	90W
	Max.	200W	160W	130W
	BTU (British Thermal Unit)	495 BTU/Hr(Typ.), 682 BTU/Hr(Max)	375 BTU/Hr(Typ.), 546 BTU/Hr(Max)	307 BTU/Hr(Typ.), 444 BTU/Hr(Max)
	Smart Energy Saving (70%)	101.5 W	77 W	70 W
	DPM	0.5 W	0.5 W	0.5 W
	Power off	0.5 W	0.5 W	0.5 W

* Lifetime spec does not supersede the Limited 3-Year Warranty. Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.

	Spec Items	65UV5N-E	55UV5N-E	49UV5N-E
Software Features	OS Ver. (webOS)	webOS6.0 (BrightSignOS compatible)	webOS6.0 (BrightSignOS compatible)	webOS6.0 (BrightSignOS compatible)
	Local Contents Scheduling	Yes	Yes	Yes
	Group Manager	Yes	Yes	Yes
	USB Plug & Play	Yes	Yes	Yes
	Fail over	Yes	Yes	Yes
	Booting Logo Image	Yes	Yes	Yes
	No Signal Image	Yes	Yes	Yes
	RS232C Sync	Yes	Yes	Yes
	Local Network Sync	Yes	Yes	Yes
	PIP	Yes	Yes	Yes
	PBP	Yes (x4)	Yes (x4)	Yes (x4)
	Screen Share	Yes	Yes	Yes
	Video Tag	Yes (x4)	Yes (x4)	Yes (x4)
	Play via URL	Yes	Yes	Yes
	Screen Rotation	Yes	Yes	Yes
	External Input Rotation	Yes	Yes	Yes
	Gapless Playback	Yes	Yes	Yes
	Tile Mode Setting	Yes (Max. 15x15)	Yes (Max. 15x15)	Yes (Max. 15x15)
	Setting Data Cloning	Yes	Yes	Yes
	SNMP	Yes	Yes	Yes
	ISM Method	Yes	Yes	Yes
	Auto Set ID	Yes	Yes	Yes
	Status Mailing	Yes	Yes	Yes
	Control Manager	Yes	Yes	Yes
	Cisco Certification	Yes	Yes	Yes
	Crestron Connected	Yes	Yes	Yes
	Smart Energy Saving	Yes	Yes	Yes
	PM mode	Yes	Yes	Yes
	Wake on LAN	Yes	Yes	Yes
	Network Ready	Yes	Yes	Yes
Beacon	Yes	Yes	Yes	
HDMI-CEC	Yes	Yes	Yes	
SI Server Setting	Yes	Yes	Yes	
webRTC	Yes	Yes	Yes	
Pro:Idiom	Yes	Yes	Yes	
Sound	Built-in Speakers	Yes (10 W X 2)	Yes (10 W X 2)	Yes (10 W X 2)
Regulatory & Cer tifications	Safety	NRTL	NRTL	NRTL
	EMC	FCC Class "B"	FCC Class "B"	FCC Class "B"
	Energy Star	Yes	Yes	Yes
	ePEAT(US only)	Yes	Yes	Yes
LG Software Compatibility	SuperSign CMS	Yes	Yes / Yes	Yes
	SuperSign Control / Control+	Yes / Yes	Yes / Yes	Yes / Yes
	SuperSign WB	Yes	Yes	Yes
	SuperSign Cloud	Yes	Yes	Yes
	Mobile CMS	Yes	Yes	Yes
	Connected Care	Yes	Yes	Yes
Languages	Onscreen Display Languages	English, French, German, Spanish, Italian, Korean, Chinese(Simplified), Chinese(Original), Portuges(Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portuges(Europe), Dutch, Czech, Greek, Türkçe, Arabic	English, French, German, Spanish, Italian, Korean, Chinese(Simplified), Chinese(Original), Portuges(Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portuges(Europe), Türkçe, Arabic	English, French, German, Spanish, Italian, Korean, Chinese(Simplified), Chinese(Original), Portuges(Brazil), Swedish, Finnish, Norwegian, Danish, Russian, Japanese, Portuges(Europe), Dutch, Czech, Greek, Türkçe, Arabic
Warranty & Other	Warranty	3 Year Limited	3 Year Limited	3 Year Limited
	Basic Accessories	Remote Control (includes 2 batteries), Power Cord, QSG, Regulation Book, 3.5mm to RS232C Adapter, Cable Holder (x2), AC Cord Holder	Remote Control (includes 2 batteries), Power Cord, QSG, Regulation Book, 3.5mm to RS232C Adapter, Cable Holder (x2), AC Cord Holder	Remote Control (includes 2 batteries), Power Cord, QSG, Regulation Book, 3.5mm to RS232C Adapter, Cable Holder (x2), AC Cord Holder
	Optional Accessories (Available for an additional cost)	Wall Mount (OLW480A/B) Slim Wall Mount (WB21LMA/B) Wall Mount Adapter (AM-B330S)	Wall Mount (OLW480A/B) Slim Wall Mount (WB21LMA/B) Wall Mount Adapter (AM-B330S)	Wall Mount (OLW480A/B) Slim Wall Mount (WB21LMA/B) Wall Mount Adapter (AM-B330S)

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