



# UNB-4K Series

Ultra Narrow Bezel Displays for Video Wall application  
Screen Sizes: 49" & 55"



## Overview

UNB Series is constructed with the latest panel technology S-IPS. The NEW series abbreviation called after its unique panel bezel style and design "Ultra Narrow Bezel", exceptional viewing angles and 10 bit color depth to enhance image quality for all types of installations. In addition, direct LED backlight technology ensures lower power consumption and improves brightness uniformity, dimming capabilities and contrast ratio.

The ultra narrow bezel panels are virtually seamless, have small pixel pitch – just 0.63 mm i.e. images are sharp and clear at any distance. The ultra narrow bezel is only 3.5mm for side by side seamless displays.

This series was introduced and designed for Broadcast, Commercial, Digital Signage and A/V video wall applications. The Plura UNB -4K series can control up to 100 monitors via LAN IP network and/or RS232 daisy chains using exclusive Plura Wall Express software.

The UNB series supports SDI, HDMI & Display Port inputs capability, up to UHD (3840 x 2160) resolution through the HDMI daisy chain capability to show one image across the entire video wall. Therefore with 2 x 2 UNB-255 setup and one HDMI UHD input looped through the 4 x UNB-255 monitors can accomplish total screen size of 110" diagonal with TRUE UHD image display. This is significant and noteworthy.

## Advanced Features

- Anti Glare Coating
- Landscape or portrait orientation
- SDI, HDMI & Display Port inputs capability, up to UHD (3840 x 2160) resolution.
- Ultra Narrow Bezel - Minimal bezels width 0.05" (1.2mm) Bottom & Right 0.09" (2.3 mm) Top & Left
- Total bezel width 0.14" (3.5 mm) side by side displays.
- Direct LED direct backlight source improves brightness uniformity.
- Broadcast & Professional-Grade quality.
- S-IPS panel technology offers wide viewing angles ideal for all applications.
- Color calibration solution ensures color uniformity across the entire wall setup.
- Wall Express control system via serial IP connectivity designed to easily manage any number of monitors from a remote PC.
- Stackable Monitor/frame capability
- Built-IN with 24/7 reliable power supply 110/240 AC power Daisychain capability
- Optional IR receiver terminal capability

# UNB Specifications

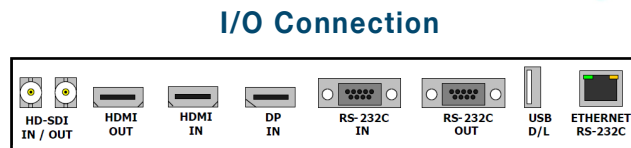
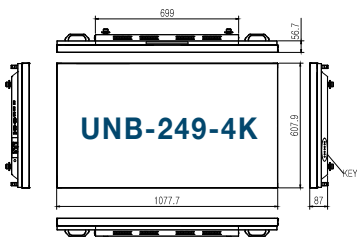
FUNCTION		UNB-249-4K	UNB-255-4K
INPUT	SDI Input	1EA, Supports 3G	
	Display Port	1EA, DP In, 20pin single Female, DisplayPort v1.2a compliant.	
	DVI / VGA Input	1EA, DP In, 20pin single Female, DisplayPort v1.2a compliant.	
	HDMI	1EA, HDMI In, HDMI 2.0 compliant (w/ HDCP v.2.2) 19 pin Female	
OUTPUT	HDMI	1EA, HDMI Out, 19pin Female, HDMI Bypass out.	
	SDI Output	1EA, Supports 3G.	
DIGITAL INPUT FORMAT	SMPTE-292M	1920x1080i (50/59.94/60)	
		1920x1080P (30Psf/25Psf/24Psf/30/25/24)	
	SMPTE 372M	1080P(30/29.97/25/24/23.98)	
		1080i(29.97/25/24/23.98)	
		720P(60/59.94/50)	
	SMPTE 296M	1280x720P (50/59.94/60)	
	SMPTE 259M/C	480i(59.94)	
		576i(50)	
	UHD HDMI	Supports 4K2k@50/60Hz*	
	UHD DP	Supports 4K2k@50/60Hz**	
FHD HDMI	Up to 1920x1080@50/60Hz		
DVI	Up to 1920x1080@50/60Hz		
PC-RGB	Up to 1920x1080@50/60Hz		
I/O PORT	RS232C In	D-sub 9 pin female	
	Ethernet In	RJ45	
	RS232C Out	D-sub 9 pin female, IR bypass	
LCD	Size	LCD 49" Diagonal	LCD 55" Diagonal
	Aspect Ratio	16 : 9	
	Resolution	1920 horiz. x 1080 vert.	
	Refresh Rate	50-60 Hz	
	Color Depth	10 Bit	
	Brightness	700 cd/m2	
	Contrast Ratio	1300:1 (Typical)	1400:1 (Typical)
	Response Time	Tr=8ms / Tf=8ms	
	Viewing Angle (deg)	Horizontal: 178 (Typ.) Vertical 178 (Typ.)	
	<b>POWER REQUIREMENTS</b>		
AC 100V ~ 240 V (60/50 Hz), 2.5A			
<b>POWER CONSUMPTION</b>			
160W, Max 220W      175W, Max 240W			
<b>OPERATING TEMPERATURE</b>			
0°C - 40° C (32° ~ 104°F)			
<b>OPERATING HUMIDITY</b>			
20% RH ~ 80%RH ( Non Condensed)			
<b>STORAGE TEMPERATURE</b>			
-30°C - 60° C (-22° ~ 140°F)			
<b>STORAGE HUMIDITY</b>			
10% RH ~ 85%RH ( Non Condensed)			
<b>WEIGHT ( w/o stand &amp; packing)</b>			
30Kg / 66.1lbs		38Kg / 83.8lbs	
<b>DIMENSION ( W*H*D* )</b>			
1077.7x 607.9 x 87 (mm)		1213.5 x 684.3 x 101.3 (mm)	
42.3 x 23.93 x 3.4 (Inch)		47.77 x 26.94 x 3.9 (Inch)	
<b>PACKAGING DIMENSION</b>			
1500 x 980 x 300 (mm)		1500 x 980 x 300 (mm)	
59 x 38.6 x 11.8 (Inch)		59 x 38.6 x 11.8 (Inch)	
<b>VESA DIMENSION</b>			
600 x 400 (mm)			
<b>ACCESSORY</b>			
Power Cord ,HDMI 2.0 cable, Serial cable			
<b>OPTIONS</b>			
Wall Mount			

\*HDMI Daisy Chain Mode-Max 3x3  
 1920x1080 (50/60 Hz), 1080p, 1080i, 720p@50Hz/60Hz, 576p@50Hz, 480p@60Hz, 3840x2160 (30Hz/24Hz/25Hz), 4096x2160 (30Hz/24Hz)  
 HDMI Without Daisy Chain  
 1920x1080 (50/60 Hz), 1080p, 1080i, 720p@50Hz/60Hz, 576p@50Hz, 480p@60Hz, 3840x2160 ((60Hz/50Hz/4:2:0 format)/30Hz/24Hz/25Hz), 4096x2160 (30Hz/24Hz)  
 \*\*DisplayPort Complies with Standard V1.2, applicable to HDCP V1.3  
 1920x1080 (60 Hz), 1080p, 720p@50Hz/60Hz, 576p@50Hz, 480p@60Hz, 3840x2160 (60Hz/50Hz/30Hz/24Hz)

Please note that the technical details shown here are provisional specifications (as of Jan 2017) The information is subject to change without notice.

## Plura S3 Pledge: Service • Support • Solutions

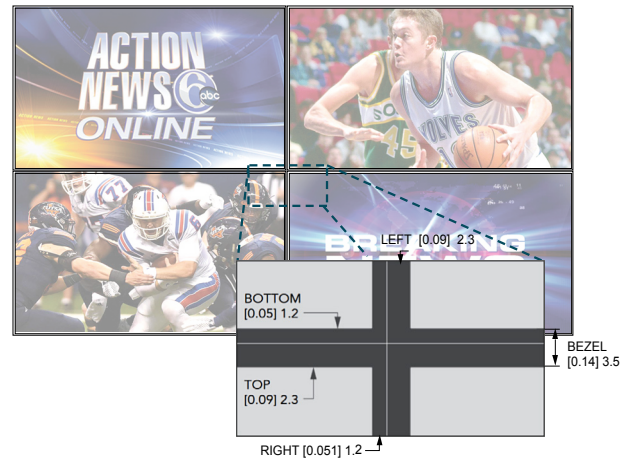
Plura takes its reputation very seriously when designing, manufacturing and delivering all our products. We strive to build the best solutions 24/7 operation capability. The new UNB-4K series allows you to display, monitor and control your digital and other media sources immediately in real time. UNB-4K solutions offer color accuracy and reliable display solutions to your management, engineering & monitoring teams without any compromise, We test & QC each display monitor at one time and undertake each control room and / or video wall project seriously and genuinely.



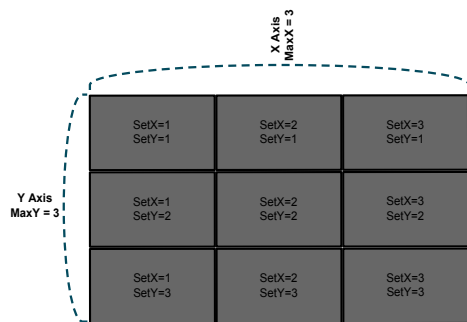
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## Side by Side Bezel Width



## Video Wall Layout Settings



- Max : Maximum number of column tiles to divide video image. (Support up to 11step)
- Max : Maximum number of row tiles to divide video image. (Support up to 11step)
- X position : Coordinate of video images column position.
- Y position : Coordinate of video images row position.

## Video Wall Express Control

