

# Data Sheet: Universal Mount Monitors and Touch Screens

NEMA 12/4/4X  
15"/17"/19"/22"/23"

## Features

- ▶ 15", 17", 19", 22", or 23" LCD
- ▶ UL Rated for Hazardous Locations: Class I, II, III, Division 2 (optional, 17" and 19" models)
- ▶ High resolution, high brightness and contrast
- ▶ Touch Screen, Safety Glass, and Acrylic Window options
- ▶ VESA and side mounting holes standard on all models
- ▶ Cable lengths from 6 ft. to 1000 ft.
- ▶ Small size – only 2.80" to 3.25" deep
- ▶ Black carbon steel and stainless steel enclosures
- ▶ High shock and vibration
- ▶ Industrial Certifications: UL 60950 3<sup>rd</sup> Edition /cUL Listed, UL 50E, FCC Class A, CE



## Product Description

Hope Industrial Systems' Universal Mount Industrial Monitors are designed to provide the industrial user with excellent picture quality and rugged design for reliable continuous operation.

Universal Mount Monitors are extremely versatile and can be mounted to the floor on a pedestal, attached to a wall, column, or post, or even hung from the ceiling; anywhere in the factory a display or touch screen is needed.

Like all our displays, these monitors are backed by industrial certifications (including 3rd-party environmental testing) and an industry-leading 3-year warranty.

## Optional Accessories

- ▶ Yoke Mounts
- ▶ Multiple cable exit options
- ▶ KVM Extenders
- ▶ Benchtop mounting kits
- ▶ Fixed or adjustable pedestals
- ▶ Arm and wall mount kits
- ▶ Keyboards and keyboard trays
- ▶ Cable options up to 1000'



Full workstation configuration with PC enclosure, keyboard, yoke, and pedestal.



Universal Mount Monitor mounted on NEMA 4X Heavy Industrial Arm Mount.



Universal Mount Monitor on Industrial Yoke Mount with KVM Extender.



Universal Mount Monitor mounted on VESA Radial Arm.



## About Industrial Systems

Logicbus provides industrial flat panel monitors and touch screens that have superior quality and up-to-date features that are relevant to industrial applications.

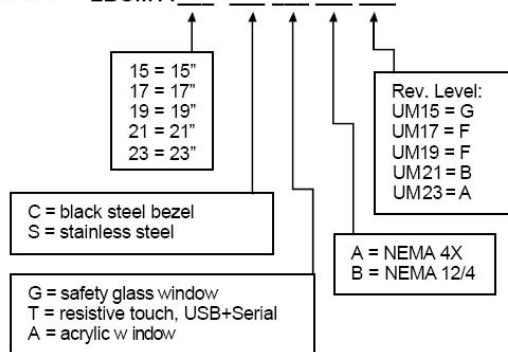
We house this advanced technology in a variety of rugged enclosures that allow the user to put their displays wherever they are needed in the factory. We assure our customers of high reliability over time and back it up with an industry-leading warranty.

We provide all of these benefits at a price that is significantly less than comparable industrial offerings. And finally, we offer the best sales, support and service in the industry:

# Universal Mount Industrial Monitors and Touch Screens: Specifications

Model Numbers:	LBUM1115	LBUM1117	LBUM1119	LBUM1122	LBUM1123
<b>Display</b>					
Type	Thin-film transistor (TFT) Active Matrix Liquid Crystal				
Size	15" diagonal	17" diagonal	19" diagonal	22" diagonal	23" diagonal
Image Size (W x H)	304 mm x 228 mm (12.0" x 9.0")	338 mm x 270 mm (13.3" x 10.6")	376 mm x 301 mm (14.8" x 11.9")	474 mm x 296 mm (18.7" x 11.7")	509.2 mm x 286.4 mm (20.05" x 11.28")
Native Resolution*	XGA (1024 x 768 @ 60 Hz)	SXGA (1280 x 1024 @ 60 Hz)		WSXGA+ (1680 x 1050 @ 60 Hz)	HD 1080p (1920 x 1080 @ 60 Hz)
Aspect Ratio	4:3	5:4		16:10	16:9
Pixel Pitch	0.297 mm x 0.297 mm	0.264 mm x 0.264 mm	0.294 mm x 0.294 mm	0.282 mm x 0.282 mm	0.265 mm x 0.265 mm
Number of Colors	16.2 million	16.7 million			
Brightness (white)	250 nits (cd/m <sup>2</sup> )				
Viewing Angle (Hori/Vert)	140° / 120°	160° / 160°	170° / 160°		
Contrast Ratio	500:1	1000:1	1000:1 (static); 100,000:1 (dynamic)	1000:1 (static); 10M:1 (dynamic)	
Backlight Brightness half-life	2 CCFTs, 50,000 hours			LED, 40,000 hours	LED, 30,000 hours
<b>Video</b>					
Input Connectors	HD-15, optional DisplayPort** or BNC***		HD-15, DVI-D, optional DisplayPort** or BNC***		
Input Signal Formats	RGB Analog video, Separate H/V sync; NTSC/PAL****		RGB Analog video, Separate H/V sync; DVI; NTSC/PAL****		
Horizontal Scan	24-61 kHz	24-82 kHz	30-82 kHz	24-82 kHz	24-83 kHz
Vertical Scan	56-75 Hz	50-75 Hz	56-75 Hz	50-85 kHz	50-76 kHz
Response Rate	12 ms	5 ms			
<b>Electrical</b>					
Monitor Input	100 to 240 VAC, 0.5/0.25 A, 60/50 Hz	100 to 240 VAC, 0.6/0.3 A, 60/50 Hz	100 to 240 VAC, 1.2/0.6 A, 60/50 Hz	100 to 240 VAC, 1.5/0.75 A, 60/50 Hz	100 to 240 VAC, 1.0/0.5 A, 60/50 Hz (DC optional)
Power Consumption	~25 W	~21 W	~25 W	~26 W	~24 W
Power Management	< 3 W	< 2 W		< 0.5 W	
<b>Environmental</b>					
Temperature	0° to 50°C (32° to 122°F)				
Humidity	20% to 90% non-condensing				
Operating Shock	15 g, 6 msec, half-sine				
Vibration	Operating (sine): 1.0 g, swept sine 9-500 Hz; Transport (random): 0.1g <sup>2</sup> Hz, 10-200 Hz; 0.03g <sup>2</sup> / Hz, 200-2000 Hz				
Altitude	Operating: up to 10,000 ft; Non-operating: up to 40,000 ft				
<b>Functional</b>					
Control Panel Buttons	Power On/Off button, Control Function buttons				
On-Screen Display Menus	Picture, Color, Image, OSD, Setup, Information (other options depending on model)				
Touch Screen Option	5-wire resistive system; emulates a mouse; Serial RS-232 or USB interface to host computer				
<b>Physical</b>					
Enclosure Type	Self-contained enclosure				
Enclosure Rating	Black powder-coated carbon steel: NEMA/UL Type 2 (IP22) or NEMA/UL Type 4 (built to IP65/IP66 standards) Stainless steel: NEMA/UL Type 2 (IP22) or NEMA/UL Type 4X (built to IP65/IP66 standards)				
Monitor Enclosure Bezel (W x H)	416.6 mm x 330.2 mm (16.4" x 13.0")	416.6 mm x 354.1 mm (16.4" x 13.94")	467.4 mm x 397.5 mm (18.4" x 15.65")	546.1 mm x 376.9 mm (21.5" x 14.84")	593.7 mm x 370.6 mm (23.38" x 14.59")
Depth	2.8" (4.6" with KVM Extender)	3.25" (4.9" with KVM Extender)			
Net Weight	Carbon steel: 13 lbs. Stainless steel: 16 lbs.	Carbon steel: 15 lbs. Stainless steel: 18 lbs.	Carbon steel: 18 lbs. Stainless steel: 21 lbs.	Carbon steel: 20 lbs. Stainless steel: 25 lbs.	Carbon steel: 17 lbs. Stainless steel: 22 lbs.
Shipping Weight	Carbon steel: 16 lbs. Stainless steel: 19 lbs.	Carbon steel: 18 lbs. Stainless steel: 21 lbs.	Carbon steel: 21 lbs. Stainless steel: 24 lbs.	Carbon steel: 23 lbs. Stainless steel: 28 lbs.	Carbon steel: 22 lbs. Stainless steel: 27 lbs.
<b>Compliances and Certifications</b>					
Electrical	UL 60950 3 <sup>rd</sup> Edition / cUL Listed Product, FCC Class A, CAN ICES-3A/NMB-3A, CE				
Environmental	IEC 60721-3 (Reliability), WEEE (Registration No. WEE/DJ1859ZX for UK only)				
Enclosure	UL 50E				
Hazardous Location (optional for 17"/19" only)	N/A	I.T.E. for Class I, II, III, Division 2, Groups A, B, C, D, F, G; Temp Code T5			N/A
<b>Ordering Options</b>					

Model Number: **LBUM11** - - - - -



# Universal Mount Industrial Monitors and Touch Screens

## Monitor Overview

**Rear View**



**Rear View with KVM Extender Option**



**NEMA 12/4 Black Carbon Steel or NEMA 4X Stainless Steel enclosure**

VESA mounting holes standard on all models!

15", 17", 19", 22", or 23" Monitor with:

- Tempered Safety Glass,
- Resistive Touch Screen, or
- Acrylic Window

Sealed rear cover provides NEMA 4 or 4X protection

Depth only:  
2.80" (15")  
3.25" (17", 19", 22", 23")


Optional Yoke mount provides full tilt/swivel

Depth with KVM Extender only:  
4.60" (15")  
4.90" (17", 19", 22", 23")


External rear access to monitor controls

Optional modular KVM Extender allows placement of the display up to 1000' away from computer!

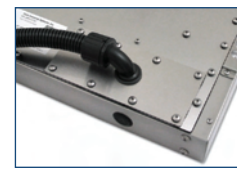
## Cable Exit Options




Opening to Internal Connectors




Compression Gland (NEMA 2, 4, or 4X)



Conduit Cable Exit (NEMA 4 or 4X)



PermaGland Cable Exit (NEMA 4 or 4X)



Pilot Hole Cover Plate (NEMA 4 or 4X)

## Mounting Options

### Heavy Industrial Mounts

Extremely rugged designs are ideal for even the harshest environments. Available in NEMA 4X stainless steel and NEMA 4 black powder-coated steel.

**Heavy Industrial Yokes and Pedestals**  
Extremely sturdy free-standing configurations

Yoke provides full range tilt and swivel

Short-Travel Keyboard

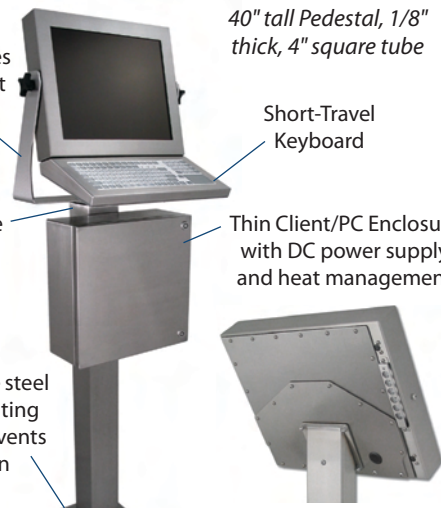
Cables route through Pedestal

Thin Client/PC Enclosure with DC power supply and heat management

3/16" gauge steel floor mounting bracket prevents vibration

40" tall Pedestal, 1/8" thick, 4" square tube

Also available in Fixed



**Heavy Industrial Arm Mounts**  
Space-saving designs with full range of motion

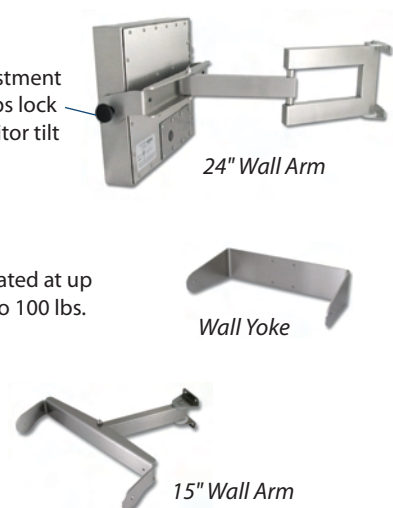
Adjustment knobs lock monitor tilt

24" Wall Arm

Rated at up to 100 lbs.

Wall Yoke

15" Wall Arm



### VESA Mounts

VESA Holes allow for mounting on a Wall, Bench, Post, or Column

VESA Radial Arm

VESA Wall Mount

VESA Benchtop Stand

