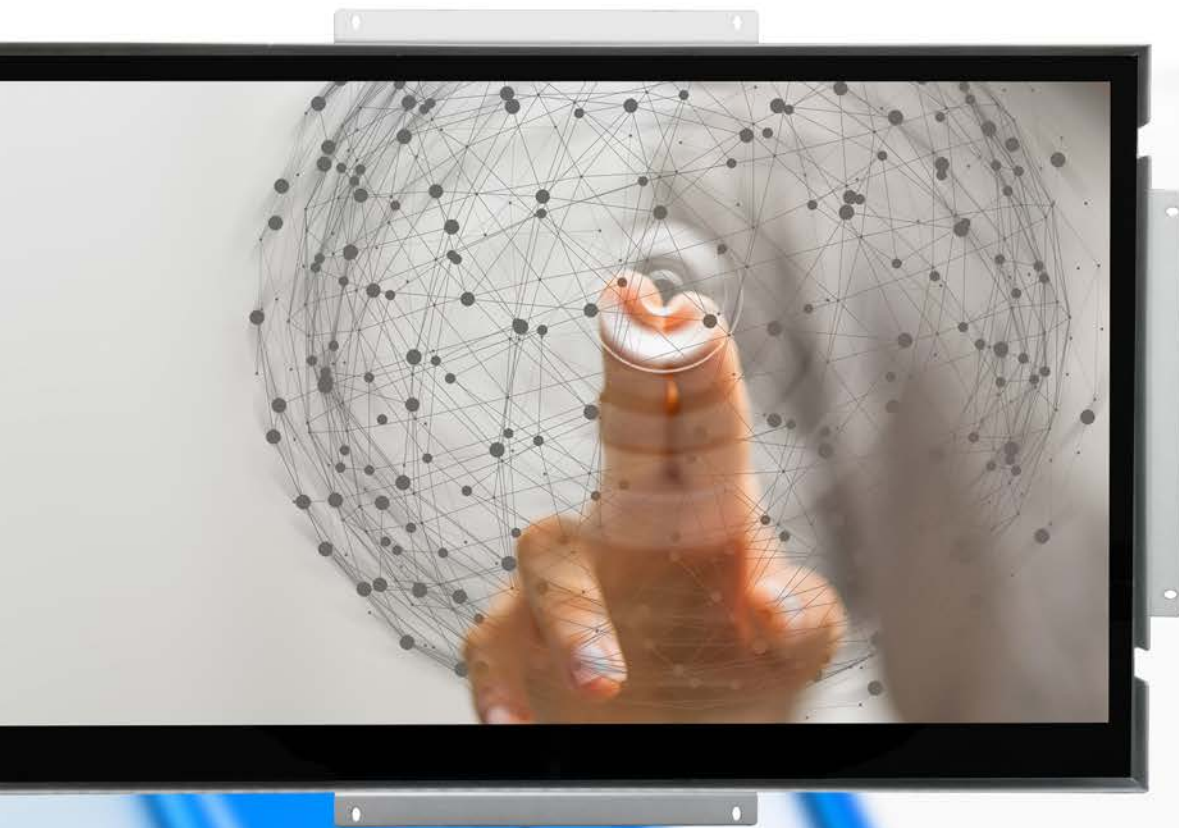


# VISUAL FOCUS



Custom Display Solutions: Open Frame with PCAP



Open Frame Displays  
with PCAP Touch

# OPEN FRAME DISPLAYS WITH PCAP

## Canvys Capabilities



### Why work with Canvys?

Canvys designs and manufactures custom monitors for Original Equipment Manufacturers (OEMs). These customized displays are built with the highest quality components, innovative technologies, and long-term product availability. For over 30 years, we have successfully engineered display solutions for applications in: automation, retail, gaming, point of sale, cash desks, point of information, kiosk systems, security, surveillance, marine and many other applications.

Canvys brings together a deep understanding of visual technologies, wide-ranging capabilities and a worldwide network to create complete solutions. Whether you need a custom-engineered system, modifications to an off-the-shelf product, or advice on specifying the right equipment, our team of experts is here to help.

As a division of Richardson Electronics, Ltd. (NASDAQ: RELL), we're supported by a network of strategically located sales offices and stocking locations in North America, Europe, Asia, Australia and Latin America, as well as Technology Innovation Centers in North America and Europe.

### Features & Benefits: Open Frame Multi Touch

- Integrated Projected Capacitive Multi Touch – capable to resolve 10 independent touch points
- Touch operates with finger, latex gloves or conductive pen
- LED backlights reduce weight and save power
- Side brackets and VESA 100 mounting for easy integration
- Wide viewing angle and high-contrast screen for stunning colors
- VGA, DVI / VGA, HDMI, Display Port
- Numerous customization options available upon request



### Technical Specifications

Model / Type	LKVT21ECCHBD-BXX (PCap version)		LKVT24XCCHBD-BXX (PCap version)	
Size   Aspect Ratio	21.5" / 54.6 cm   16:9		24" / 61.0 cm   16:9	
Active Area (H x V)	476.6 x 268.1 mm		531.4 x 298.9 mm	
Resolution	1920 x 1080 Full-HD			
Pixel Pitch	0.248 mm		0.276 mm	
Display Colors	16.7 M			
Response Time (rise + fall)	18 ms (typ.)		5 ms (typ.)	
Brightness (panel)	250 cd/m <sup>2</sup> (typ.)			
Contrast Ratio	3000:1 (typ.)		1000:1 (typ.)	
Viewing Angle (H x V)	178° / 178° (typ.)		170° / 160° (typ.)	
I/O Ports	VGA, HDMI, DP / optional: VGA, DVI		VGA, DVI / optional: VGA, HDMI, DP	
Dimensions (W x H x D) without packing	542.4 x 337.4 x 50.5 mm	21.4 x 13.3 x 2.0 in	574.0 x 342.0 x 53.0 mm	22.6 x 13.5 x 2.1 in
Weight without packing	6.5 kg	14.3 lbs	6.6 kg	14.6 lbs
Temperature Operating	-10 °C to +40 °C	+50 °F to +104 °F	-10 °C to +40 °C	+50 °F to +104 °F
Humidity Operating	30 % to 75 % RH			
Power Consumption	< 25 W		< 31 W	
Power Supply - AC	AC 110 ~ 240 VAC external			
Power Input - DC	12 VDC			
Safety & Ergonomics	CE, FCC, UL		available for mass production: CE, FCC, UL	
Misc.	4x removable side mount brackets with VESA 100			
Product #	PCap touch (10 points)	LK-VT21ECCHBD-BXX	LK-VT24XCCHBD-BXX	
	Protective shield	LK-VT21ECCHBD-AXX	LK-VT24XCCHBD-AXX	

## Advantages of PCAP Touch Technologies



### OPERATION / INPUT

- Capable of recognizing up to 10 independent touch points
- Touch operates with fingers, gestures, gloves and stylus or pointer
- Excellent handling of unwanted touches



### ENVIRONMENTAL CONDITIONS

- High surface robustness and ideal for vandal-proof applications
- Very good resistance against water, moisture, chemical cleaner and other contamination
- Relatively insensitive to electromagnetic interferences



### INTEGRATION / ENGINEERING

- Minimizes efforts required for mechanical or electronic integration
- True Flat design / zero bezel display which increases hygiene aspects and the ease of cleaning
- Easy bonding



### AND MUCH MORE ...

- Excellent light transmission
- Long durability
- Fast response time



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