Request information

27" Open Frame

DuraBrite Series
Outdoor High Bright Monitors

Operating outdoor kiosks is not for the faint-hearted. The average touch display just won't do because of the numerous 'moving parts' in an outdoor environment. You would need both brains and brawn for successful deployment. To take on these physical challenges, General Touch has come up with the DuraBrite series outdoor high bright monitors. Currently available in sizes from 7 to 32 inches, the state-of-the-art DuraBrite series have been carefully designed and produced with innovative enhancements and capabilities. These enhancements would facilitate optimal performance in adverse environmental conditions, making the series ideal for use in payment terminals, self-service kiosks, EV charging stations, ticketing machines, vending machines, outdoor signage and more.

EV Charging Station | Self-service Kiosk | Vending Machine | Ticketing Machines | Parking Pay Station | Outdoor Signage

Features & Benefits

- High-Tni up to 105° allows a wide operating temperature range from -20°C to 60°C, eradicating any fear of display black-out.
- Brightness up to 1500 nits and anti-glare coating delivers better visuals and readability even in direct sunlight.
- 50K hours LED lifetime - 50,000 hours of MTBF for longlasting 24/7 operation.
- UV&IR protection minimizes internal heat accumulation and decelerates components aging significantly.
- UV-resistant ink prevents the screen printing from peeling effectively.
- The touch performance is heightened to facilitate smooth operations even when there are water droplets on the touch glass.
- Advanced optical bonding takes interior fogging out of the equation.
- The iThermal system achieves dynamic heat dissipation and optimal cooling effect through intelligent thermal management.
- Automatic brightness adjustment corresponds with ambient light to ensure 24/7 stable performance and to extend LCD panel lifespan.
- The metal parts have been beefed up with rustproofing for all-year outdoor deployment.
- When the touchmonitor is properly fitted to the kiosk without any gaps, the waterproof and dustproof rating can reach IP65 & Nema 4x , further fortifying the whole touch unit.

SPECIFICATIONS

Name	27 Inch Outdoor High Bright Monitor
Model	RSL276-RC80A0-UDB2L0-1.0
LCD Panel Parameters	
Display Technology	Active Matrix TFT-LCD With LED Backlight
Aspect Ratio	16:9
Active Area (W x H)	597.89×336.31mm
Native Resolution	1920×1080@60Hz
Response Time (Typ.)	14ms
TNI	105℃
Display Colors	16.7million
Luminance (Typ.)	1500nits, with P-Cap 1050nits(touch monitor)
Contrast Ratio (Typ.)	1000:1
LED Backlight Time(Min)	50,000 hours
Viewing Angle (Typ.)	Horizontal (left/right) CR≥10 89° /89°
	Vertical (up/down) CR≥10 89° /89°
Touch Screen Parameters	
Touch Technology	PCAP
Cover Glass Treatment	Strengthened
Cover Glass Surface Treatment	Anti-Glare
Impact Resistance Level	IK10, higher than UL60950 ball-drop standard
Ink	UV-resistant
View Area(W x H)	596.9×335.3±0.3mm
Thickness(Total)	7.5±0.3mm
Light Transmission	≥70%
Response Time	10ms
Touch Screen Interface	USB
Touch Point	10
Feature	UV&IR Filter
Overall Parameters	
Case/Bezel Color	Gray back cover
Mounting Options	VESA: 100×100 mm, 100×200 mm, Side mounting
Outline Dimensions	658.0mm × 414.9mm× 72.4mm
Power Supply	24V DC

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Light sensor	Yes
On Screen Display (OSD)	Power, Auto, Up, Down, Menu
Power Consumption	MAX: 70W
Sealability	Sealable to IP65 when integrated into a cabinet
Bonding Type	Optical bonding
Operating Altitude	≤3000m
Heat Dissipation Solution	Intelligent thermal management built-in
Operating Time	7*24hrs with dynamic video
Temperature Range & Humidity (Non Condensing)	Operating: -20℃ to +60℃, Humidity: 20% to 80%; Storage: -20℃ to +70℃, Humidity: 10% to 90%;
I/O	VGA, DVI, HDMI, DP, USB (Type B, for touch)
Accessories	Cables: VGA×1, USB×1, 1.5m Length
Carton Box Dimensions	656mm (L) × 222mm (W) × 454mm (H)
Weight	Net: 14.71kg, Gross: 19.8kg
Agency Approvals	CE FCC UKCA
MTBF	50,000 hours demonstrated
Warranty	1 year

Note：The light leakage (mura) standard of the edge area surrounding active area is invisible under 1% ND filter.

Ordering Information		
Model	Part Number	Description
RSL276-RC80A0-UDB2L0-1.0	10202010698R	27”, Open frame, 16:9, 1500nits, PCAP, USB, VGA & DVI HDMI & DP, Sunlight readable, Outdoor, Gray
Contact sales for other options		

Optional Accessories			
Model	Part Number	Description	
Adapter	30207010024R	24V/6.25A, DC Cable: 1200mm	
Power Cable	30301010018R	UK	1500mm
	30301010011R	EU	
	30301010010R	US	
HDMI Cable	30302030001R		1500mm
DP Cable	30302010001R		1500mm

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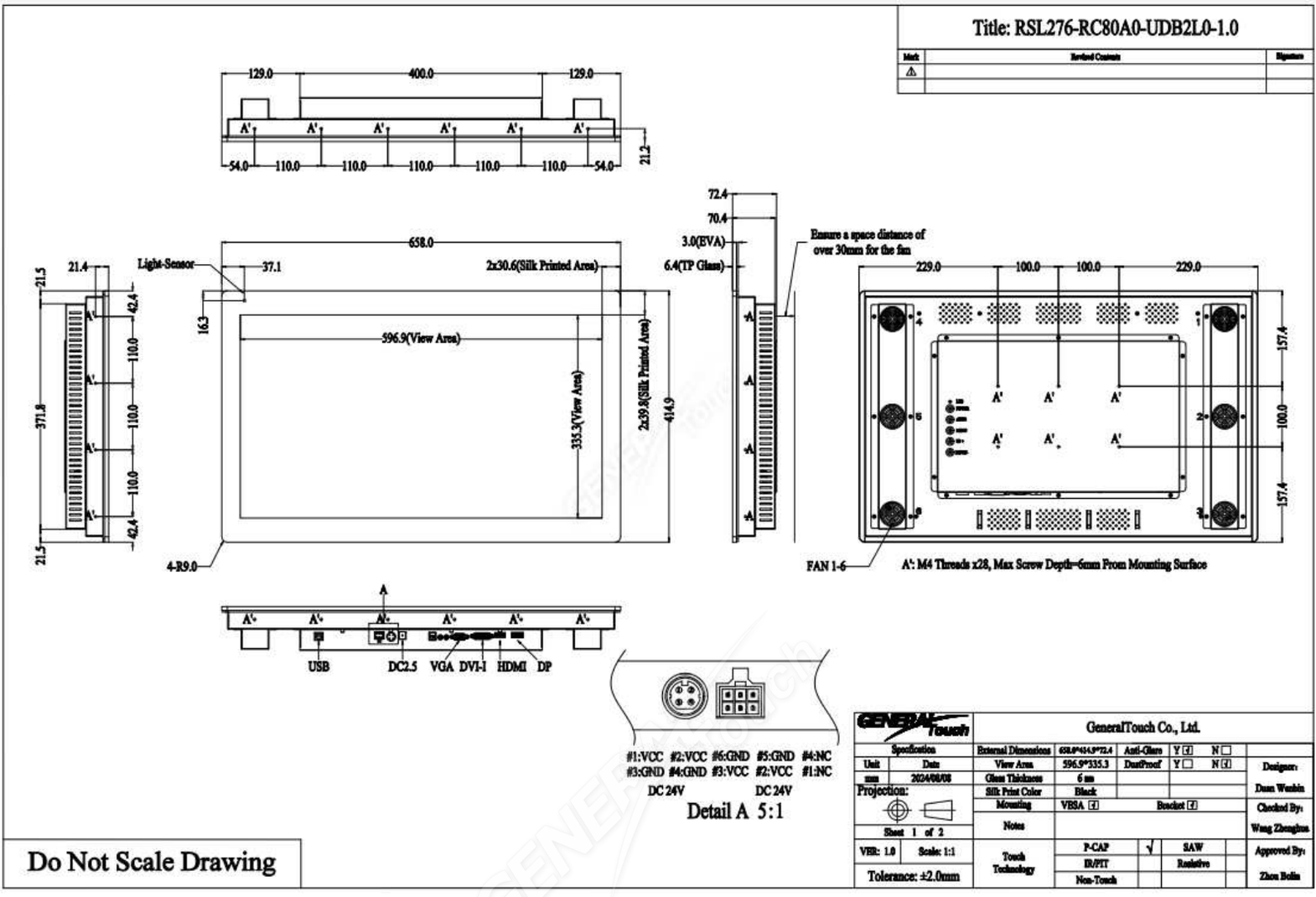
Drawing



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