

21.5-inch Touchscreen Monitor

YL-GZYW01Q215TC-V1

YW01 SERIES

PRODUCT VIEWS



Product and connector views from the model specification.

CONSTRUCTION & MOUNTING

Aluminum profile, sheet-metal parts and profiled rear cover.

Wall mounting; VESA 100 × 100 mm.

EMC SPECIFICATION

Radiated emissions: EN 55032 Class A.
ESD: contact ±4 kV, air ±8 kV; performance criterion B.

DISPLAY

Display size	21.5 inches
Resolution	1920 × 1080
Luminance	350 cd/m ²
Contrast ratio	1000:1
Viewing angle	89 / 89 / 89 / 89°
Display colors	16.7 million
Response time	14 ms
MTBF	30,000 hours

TOUCH

Touch technology	Capacitive touchscreen
Controller / interface	USB; driver-free
Touch response	≤ 5 ms
Surface hardness	Mohs 7

ELECTRICAL

Video inputs	HDMI + VGA
Power input	DC 12 V
Power connector	DC 5521
Operating power	P _{max} = 30 W
Idle power	< 1 W

ENVIRONMENT

Operating temperature	0 to 50°C
Storage temperature	-20 to 60°C
Humidity	10-90% RH

MECHANICAL

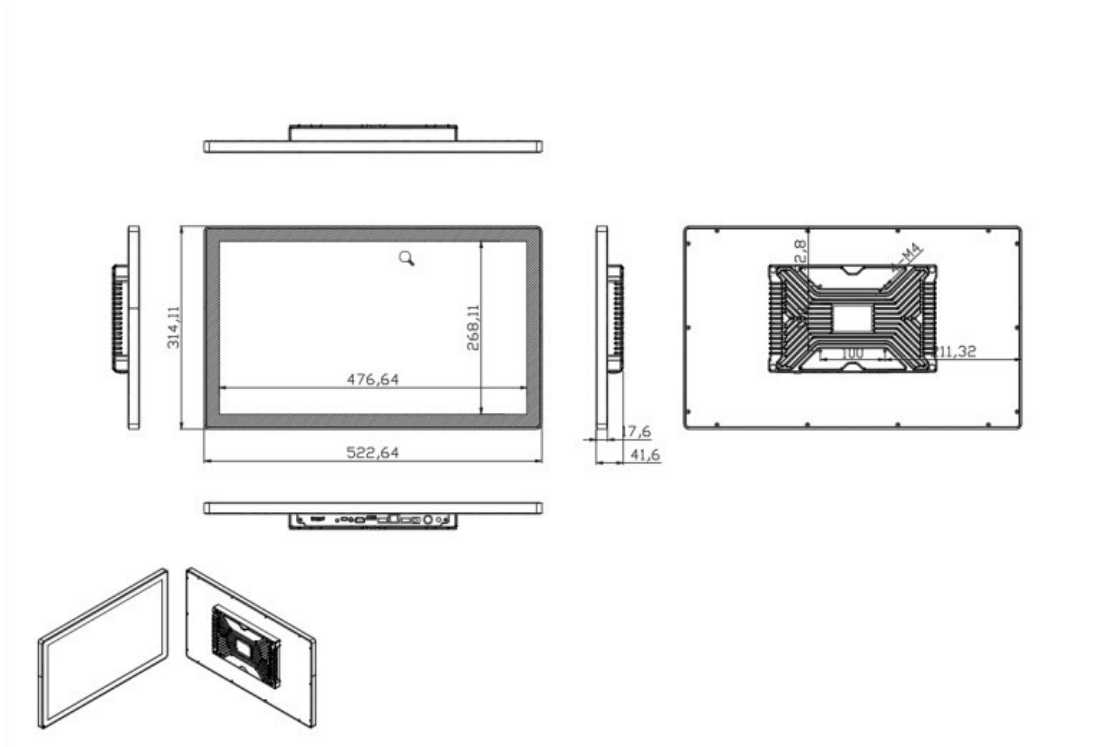
VESA mounting	100 × 100 mm
Net weight	TBD

Mechanical & Ordering Details

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DIMENSIONAL REFERENCE



Overall dimensions: 522.64 × 314.11 × 41.6 mm

Units: mm. Reference views are not to scale. Request the released drawing for tolerances, panel cutout and production use.

ORDERING INFORMATION

Part number	YL-GZYW01Q215TC-V1
Description	21.5-inch capacitive touchscreen monitor; DC 12 V input; HDMI and VGA video inputs. 1.1 mm cover glass.

PACKING LIST

Item	Qty
Touchscreen monitor	1
Power adapter	1
Power cable, 1.8 m	1
HDMI cable, 1.5 m	1
USB cable, 1.5 m	1

APPLICATION CONSIDERATIONS

Durability and reliability. Select the mechanical design against the specified temperature, humidity and environment.

Electromagnetic interference. Review electrical noise, the EMC specification and the installed system together.

Color performance. Confirm application-specific requirements for clear and accurate visual information.



Radiated Emission Reference

YL-GZYW01Q215TC-V1

YW01 SERIES

SOURCE ATTACHMENT · HORIZONTAL

Measurement source: Dongguan NTC Co., Ltd. / Nore Testing Center. Source website: www.ntc-c.com.

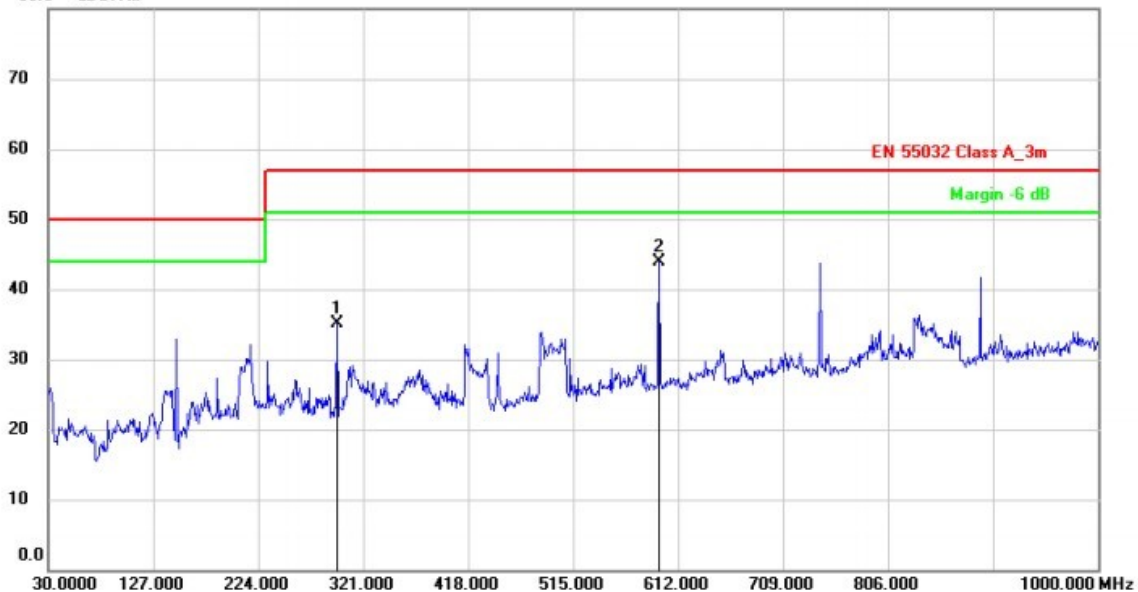
Equipment under test	Monitor
M/N recorded in source	20.5
Site / limit	3 m chamber / EN 55032 Class A, 3 m
Power / distance	AC 230 V, 50 Hz / 3 m
Temperature / humidity	26 (as recorded) / 47%
Date / polarization	31 July 2025 / Horizontal

Radiated Emission Measurement

Date: 2025/7/31

Time: 16:48:38

80.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		296.7500	40.63	-5.59	35.04	57.00	-21.96	peak	
2	*	594.5400	43.37	0.52	43.89	57.00	-13.11	peak	

Reference attachment reproduced from the source datasheet. The source lists M/N 20.5; applicability to this 21.5-inch model requires confirmation. This attachment is not a complete certification report.



Radiated Emission Reference

YL-GZYW01Q215TC-V1

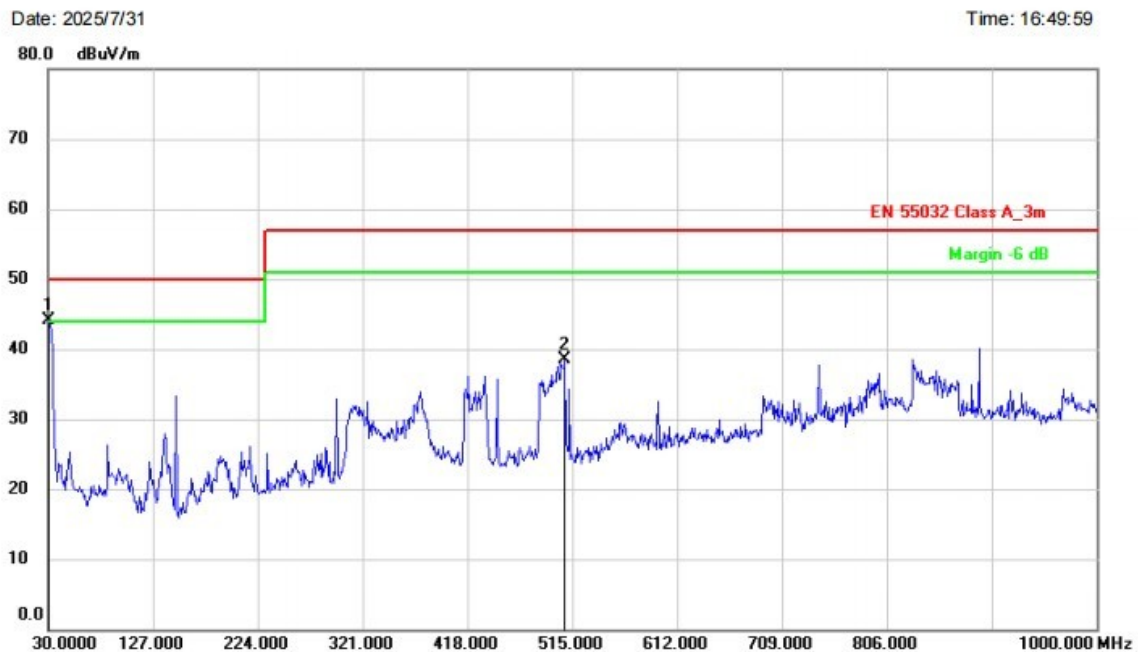
YW01 SERIES

SOURCE ATTACHMENT · VERTICAL

Measurement source: Dongguan NTC Co., Ltd. / Nore Testing Center. Source website: www.ntc-c.com.

Equipment under test	Monitor
M/N recorded in source	20.5
Site / limit	3 m chamber / EN 55032 Class A, 3 m
Power / distance	AC 230 V, 50 Hz / 3 m
Temperature / humidity	26 (as recorded) / 47%
Date / polarization	31 July 2025 / Vertical

Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.0000	54.74	-10.69	44.05	50.00	-5.95	peak	
2		508.2100	41.20	-2.63	38.57	57.00	-18.43	peak	

Reference attachment reproduced from the source datasheet. The source lists M/N 20.5; applicability to this 21.5-inch model requires confirmation. This attachment is not a complete certification report.