NW02 SERIES / SELECTION REFERENCE

Embedded touchscreen monitors

18.5, 21.5 and 27 inches | Full HD | HDMI + VGA | USB capacitive touch

Designed into your equipment

Compare documented display, electrical and mechanical values before selecting an NW02 monitor for an equipment panel, machine interface or kiosk enclosure.

Shared interfaces: HDMI and VGA video inputs, USB touch interface, DC 12 V input and DC 5521 power connector.

Integration: sheet-metal back plate and rear cover; wall mounting, internal embedding or external embedding; VESA 100 × 100 mm.



Series reference view. The source files reuse the same product photographs across all three sizes.

Choose the size and brightness configuration

Parameter	18.5-inch	21.5-inch	27-inch
Resolution	1920 × 1080	1920 × 1080	1920 × 1080
Luminance	300-1000 cd/m²	300-1000 cd/m²	300 cd/m²
Operating temp.	-20 to 70°C	-20 to 60°C	0 to 50°C
MTBF (specified)	50,000 h	30,000 h	30,000 h
Overall size	Not specified	516 × 311 × 44.5 mm	Not specified
Technical page	Page 2	Page 3	Page 4

Brightness and installation boundary

The 18.5-inch and 21.5-inch source sheets list 300-1000 cd/m². Confirm the required configuration when ordering. The 27-inch source lists 300 cd/m² only. An outdoor protection rating or sunlight-readability claim is not established by these specifications.

Edition EN1 is an English reference compilation from three original TC V1 complete-unit specifications. It preserves the recorded technical values. The source model revision remains V1; this compilation is not a new engineering release.

NW02 / 18.5-INCH MODEL

18.5-inch touchscreen monitor

YL-GZNW02Q185TC-V1 | Original complete-unit specification: V1

DISPLAY	
Display size	18.5 inches
Resolution	1920 × 1080
Luminance	300-1000 cd/m²
Contrast / colors	1000:1 / 16.7 million
Viewing angle	89 / 89 / 89 / 89°
Display response time	14 ms
MTBF (specified)	50,000 hours
TOUCH	
Technology	Capacitive touchscreen
Controller / interface	USB; driver-free
Touch response time	≤ 5 ms
Surface hardness	Mohs 7
ELECTRICAL	
Video inputs	HDMI + VGA
Power input / connector	DC 12 V / DC 5521
Operating / idle power	Pmax ≤ 40 W / < 1 W
ENVIRONMENT	
Operating temperature	-20 to 70°C
Storage temperature	-20 to 70°C
Humidity	10-90% RH
MECHANICAL	
VESA mounting	100 × 100 mm
Cover glass	1.85 mm
Overall dimensions	Not specified; 2D drawing pending
Net weight	TBD

Construction and mounting: sheet-metal back plate and rear cover. Wall mounting, internal embedding or external embedding. Source EMC entries: EN 55032 Class A; ESD contact ±4 kV, air ±8 kV, performance criterion B. These are specification entries; a test report or certification is not supplied.

Packing list: touchscreen monitor ×1; power adapter ×1; power cable 1.8 m ×1; HDMI cable 1.8 m ×1; USB cable 1.5 m ×1.

Source: YL-GZNW02Q185TC-V1 complete-unit specification, pages 1-2. No IP rating is stated. MTBF is a source specification, not a warranty or guaranteed service life. The source labels the 2D drawing as awaiting development; numerical dimensions are not available.

NW02 / 21.5-INCH MODEL

21.5-inch touchscreen monitor

YL-GZNW02Q215TC-V1 | Original complete-unit specification: V1

DISPLAY	
Display size	21.5 inches
Resolution	1920 × 1080
Luminance	300-1000 cd/m²
Contrast / colors	1000:1 / 16.7 million
Viewing angle	89 / 89 / 89 / 89°
Display response time	14 ms
MTBF (specified)	30,000 hours
TOUCH	
Technology	Capacitive touchscreen
Controller / interface	USB; driver-free
Touch response time	≤ 5 ms
Surface hardness	Mohs 7
ELECTRICAL	
Video inputs	HDMI + VGA
Power input / connector	DC 12 V / DC 5521
Operating / idle power	Pmax ≤ 40 W / < 1 W
ENVIRONMENT	
Operating temperature	-20 to 60°C
Storage temperature	-20 to 60°C
Humidity	10-90% RH
MECHANICAL	
VESA mounting	100 × 100 mm
Cover glass	1.85 mm
Overall dimensions	516 × 311 × 44.5 mm
Net weight	TBD

Construction and mounting: sheet-metal back plate and rear cover. Wall mounting, internal embedding or external embedding. Source EMC entries: EN 55032 Class A; ESD contact ±4 kV, air ±8 kV, performance criterion B. These are specification entries; a test report or certification is not supplied.

Packing list: touchscreen monitor ×1; power adapter ×1; power cable 1.8 m ×1; HDMI cable 1.8 m ×1; USB cable 1.5 m ×1.

Source: YL-GZNW02Q215TC-V1 complete-unit specification, pages 1-2. No IP rating is stated. MTBF is a source specification, not a warranty or guaranteed service life.

NW02 / 27-INCH MODEL

27-inch touchscreen monitor

YL-GZNW02Q270TC-V1 | Original complete-unit specification: V1

DISPLAY	
Display size	27 inches
Resolution	1920 × 1080
Luminance	300 cd/m²
Contrast / colors	1000:1 / 16.7 million
Viewing angle	89 / 89 / 89 / 89°
Display response time	14 ms
MTBF (specified)	30,000 hours
TOUCH	
Technology	Capacitive touchscreen
Controller / interface	USB; driver-free
Touch response time	≤ 5 ms
Surface hardness	Mohs 7
ELECTRICAL	
Video inputs	HDMI + VGA
Power input / connector	DC 12 V / DC 5521
Operating / idle power	Pmax ≤ 40 W / < 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
Cover glass	1.85 mm
Overall dimensions	Not specified; 2D drawing pending
Net weight	TBD

Construction and mounting: sheet-metal back plate and rear cover. Wall mounting, internal embedding or external embedding. Source EMC entries: EN 55032 Class A; ESD contact ±4 kV, air ±8 kV, performance criterion B. These are specification entries; a test report or certification is not supplied.

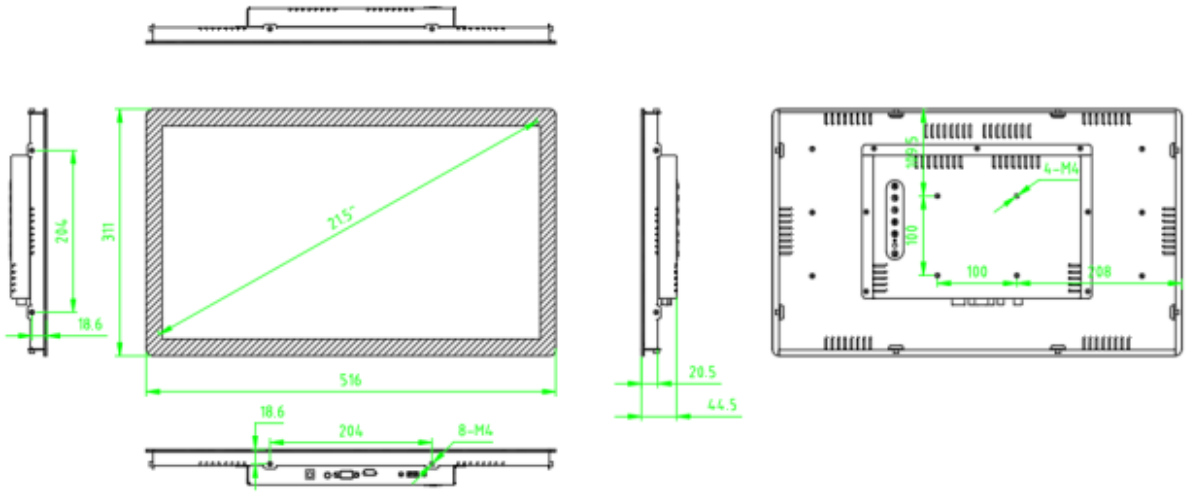
Packing list: touchscreen monitor ×1; power adapter ×1; power cable 1.8 m ×1; HDMI cable 1.8 m ×1; USB cable 1.5 m ×1.

Source: YL-GZNW02Q270TC-V1 complete-unit specification, pages 1-2. No IP rating is stated. MTBF is a source specification, not a warranty or guaranteed service life. The source labels the 2D drawing as awaiting development; numerical dimensions are not available.

MECHANICAL INTEGRATION / SOURCE BOUNDARIES

21.5-inch dimensional reference

YL-GZNW02Q215TC-V1 | Overall size 516 × 311 × 44.5 mm | VESA 100 × 100 mm



Dimensioned projection excerpt from the original 21.5-inch specification, page 2. Units: mm. Views are not to scale. The source drawing title block carries identifier YL-GZNW02Q215TC-V1CS; the ordering part number is YL-GZNW02Q215TC-V1.

Before equipment design is released

Request the current released mechanical drawing for the selected model. Confirm panel cutout, fixing details, tolerances, connector clearance and cable routing with engineering. The 18.5-inch and 27-inch original sources show a pending 2D drawing and do not provide numerical overall dimensions.

Environmental and evidence scope

The original complete-unit sheets provide temperature, humidity and electrical values. They do not state an IP rating, waterproof boundary, medical certification or vibration/impact qualification. Review the full installed enclosure against the application requirements.

Source inventory:
YL-GZNW02Q185TC-V1: original PDF/DOCX, pages 1-2.
YL-GZNW02Q215TC-V1: original PDF/DOCX, pages 1-2.
YL-GZNW02Q270TC-V1: original PDF/DOCX, pages 1-2.
Source files were cross-checked by technical field. EN1 is an editorial English compilation dated 13 Oct 2026. Confirm the selected configuration and released drawing before ordering.