

XW01 Series

High-Brightness Industrial Touchscreen Monitors

15, 17, 18.5 and 21.5-inch TC monitors for external-host integration.



Series appearance reference. Photograph is not a dimensional or model-specific representation.

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Source basis: four model-specific whole-unit specifications, revision V1. No issue dates are stated. EN3 identifies this English technical reference, not a hardware revision or a new engineering release.

Brightness ranges describe documented configurations, not a guaranteed automatic dimming range. Confirm the quoted brightness, released drawing, environmental suitability and sample validation plan before ordering.

Outdoor suitability requires an enclosure-level review. This reference does not establish all-weather operation, glove/wet touch validation, optical bonding, warranty, MOQ, stock or lead time.

15-inch touchscreen monitor

YL-HZXW01Q150TC-V1

Screen size	15 inches
Native resolution	1024 × 768
Aspect ratio (from resolution)	4:3
Brightness configuration range	350–1,000 cd/m ²
Contrast ratio	1000:1
Viewing angles (source sequence)	89/89/89/89
LCD response time	30 ms
MTBF (source-stated, not warranty)	50,000 h
Operating temperature	–20 to 70°C
Storage temperature	–20 to 70°C
Maximum operating power	<40 W
VESA mounting	100 × 100 mm
Construction	All-metal body
Enclosure dimensions	Request released drawing
Video / touch communication	HDMI + VGA / USB
Supply / connector	DC 12 V / DC 5521
Touch / touch response	Capacitive / ≤5 ms
Colors / humidity	16.7M / 10–90% RH
Idle power / net weight	<1 W / TBD

Protection: IP34 listed in ordering description; scope to be confirmed.

Mounting and cutout: confirm the released model-specific drawing. The 17-inch dimensions are transcribed from V1; other dimensions are not supplied as numeric data in this reference.

Source: YL-HZXW01Q150TC-V1 whole-unit specification, V1, pages 1–2. Brightness, temperature and protection must not be transferred between models.

17-inch touchscreen monitor

YL-HZXW01Q170TC-V1

Screen size	17 inches
Native resolution	1280 × 1024
Aspect ratio (from resolution)	5:4
Brightness configuration range	300–1,000 cd/m ²
Contrast ratio	1000:1
Viewing angles (source sequence)	80/80/70/70
LCD response time	20 ms
MTBF (source-stated, not warranty)	50,000 h
Operating temperature	–30 to 80°C
Storage temperature	–30 to 85°C
Maximum operating power	≤35 W
VESA mounting	100 × 100 / 75 × 75 mm
Construction	SECC, spray-coated
Enclosure dimensions	372.92 × 305.34 × 44 mm
Video / touch communication	HDMI + VGA / USB
Supply / connector	DC 12 V / DC 5521
Touch / touch response	Capacitive / ≤5 ms
Colors / humidity	16.7M / 10–90% RH
Idle power / net weight	<1 W / TBD

Protection: IP34 listed in ordering description; scope to be confirmed.

Mounting and cutout: confirm the released model-specific drawing. The 17-inch dimensions are transcribed from V1; other dimensions are not supplied as numeric data in this reference.

Source: YL-HZXW01Q170TC-V1 whole-unit specification, V1, pages 1–2. Brightness, temperature and protection must not be transferred between models.

18.5-inch touchscreen monitor

YL-HZXW01Q185TC-V1

Screen size	18.5 inches
Native resolution	1920 × 1080
Aspect ratio (from resolution)	16:9
Brightness configuration range	300–1,000 cd/m ²
Contrast ratio	1000:1
Viewing angles (source sequence)	89/89/89/89
LCD response time	14 ms
MTBF (source-stated, not warranty)	50,000 h
Operating temperature	–20 to 70°C
Storage temperature	–20 to 70°C
Maximum operating power	<40 W
VESA mounting	100 × 100 mm
Construction	All-metal body
Enclosure dimensions	Request released drawing
Video / touch communication	HDMI + VGA / USB
Supply / connector	DC 12 V / DC 5521
Touch / touch response	Capacitive / ≤5 ms
Colors / humidity	16.7M / 10–90% RH
Idle power / net weight	<1 W / TBD

Protection: Not stated in the model-specific V1 specification.

Mounting and cutout: confirm the released model-specific drawing. The 17-inch dimensions are transcribed from V1; other dimensions are not supplied as numeric data in this reference.

Source: YL-HZXW01Q185TC-V1 whole-unit specification, V1, pages 1–2. Brightness, temperature and protection must not be transferred between models.

21.5-inch touchscreen monitor

YL-HZXW01Q215TC-V1

Screen size	21.5 inches
Native resolution	1920 × 1080
Aspect ratio (from resolution)	16:9
Brightness configuration range	300–1,000 cd/m ²
Contrast ratio	1000:1
Viewing angles (source sequence)	89/89/89/89
LCD response time	14 ms
MTBF (source-stated, not warranty)	30,000 h
Operating temperature	0 to 50°C
Storage temperature	–20 to 60°C
Maximum operating power	<40 W
VESA mounting	100 × 100 mm
Construction	All-metal body
Enclosure dimensions	Request released drawing
Video / touch communication	HDMI + VGA / USB
Supply / connector	DC 12 V / DC 5521
Touch / touch response	Capacitive / ≤5 ms
Colors / humidity	16.7M / 10–90% RH
Idle power / net weight	<1 W / TBD

Protection: Not stated in the model-specific V1 specification.

Mounting and cutout: confirm the released model-specific drawing. The 17-inch dimensions are transcribed from V1; other dimensions are not supplied as numeric data in this reference.

Source: YL-HZXW01Q215TC-V1 whole-unit specification, V1, pages 1–2. Brightness, temperature and protection must not be transferred between models.

Define the installation before release.

Brightness & sunlight readability

Up to 1,000 cd/m² is listed for all four models. Select the required brightness configuration and evaluate readability with the final cover glass, viewing angle, ambient illumination and screen content. Sunlight readability is not established by luminance alone.

Outdoor protection & heat

15 and 17-inch ordering descriptions list IP34 without a defined installed protection boundary. The 18.5 and 21.5-inch V1 sources state no IP rating. Confirm sealing, ventilation, condensation control and enclosure temperature for the installation.

Touch, mounting & power

All four sources specify USB driver-free capacitive touch, HDMI + VGA and DC 12 V input. No OS-version list or simultaneous touch-point count is stated. The 17-inch source explicitly lists embedded and wall mounting with 100 × 100 / 75 × 75 mm; other sources list VESA 100 × 100 mm.

Source declarations are not certificates

The four V1 documents list RE: EN55032 Class A and ESD contact ±4 kV / air ±8 kV, level B. Obtain model-matched reports and agree acceptance criteria when these are procurement requirements. Surface hardness is stated as Mohs 7; 3 mm thickness is stated for the 17-inch model only.

Packing & procurement

The source packing lists include one monitor, one power adapter, one 1.8 m power cable and one 1.5 m HDMI cable. A USB cable is not listed. Confirm the final packing list, plug type, quantity, delivery schedule and commercial terms with the quotation.

Source control

This English technical reference presents the four TC models using their individual V1 specifications. Request current model-specific drawings, test documentation and the agreed configuration with your quotation. The model specification revision remains V1.

A specific record. A defined scope.

17-inch XW01 V1 specification appendix

The YL-HZXW01Q170TC-V1 whole-unit specification includes two radiated-emission plots on pages 3-4. Both are dated 31 July 2025 and bear the name Dongguan NTC Co., Ltd.

Printed setup: EN 55032 Class A_3m; 3 m chamber/distance; vertical and horizontal polarization; 26 degrees C; 47% humidity; AC 230 V / 50 Hz. The plots show 30-1,000 MHz. Their sample field reads M/N: 17.

Selected points transcribed from the plot tables

Polarization	Frequency MHz	Level dB μ V/m	Limit dB μ V/m	Over limit dB
Vertical	378.2300	43.09	57.00	-13.91
Vertical	756.5300	45.39	57.00	-11.61
Horizontal	378.2300	39.79	57.00	-17.21
Horizontal	756.5300	46.51	57.00	-10.49

Negative “over limit” values indicate that these listed points are below the plotted limit. They are not a full compliance verdict. Values and units above are a transcription, not a newly issued laboratory report.

What this supports

A dated radiated-emission record is included in the 17-inch model specification. It provides a concrete starting point for an engineering evidence review.

What still needs confirmation

The plot sample identifier is “17”, not the complete order code. Confirm the sample-to-part-number linkage, hardware configuration, adapter, report identifier and full test scope. The AC mains condition on the plot must not replace the monitor's DC 12 V input specification.

These excerpts do not establish immunity, ESD, ingress protection, outdoor life, or conformity of the other three XW01 models. Obtain the applicable complete documentation if compliance is a purchasing requirement.

Turn selection into an integration brief.

Support the enclosure

Confirm the contact surfaces and support points in the released drawing. Avoid transferring bracket or bezel pressure into the LCD stack.

Match the fasteners

Review screw type, engagement depth and tightening torque with the selected mounting structure. A VESA spacing alone does not define the screw specification.

Separate fixing from sealing

Review the gasket, seams and installed front/rear exposure independently of the mechanical fixing method. A rear VESA bracket does not establish a waterproof installation.

Inspect after assembly

Compare the display and edge-touch behavior before and after fitting the monitor. Investigate pressure, alignment or enclosure interference if the behavior changes.

Installation guidance source

EverGlory installation guide WI-ZJ-019, revision A1, dated 2 January 2025, sections 4-5. This is general module/monitor installation guidance; applicability must be confirmed for the chosen XW01 structure. Its optical-bonding guidance does not establish optical bonding as a standard XW01 feature.

Sample evaluation handover

Provide the exact monitor code, required brightness, mounting or cutout drawing, front/rear exposure, host/OS, temperature conditions and quantity. Agree the evaluation method, configuration identity and acceptance criteria before testing.

Packing and connection checklist

The four V1 sources list: monitor x1; power adapter x1; 1.8 m power cable x1; 1.5 m HDMI cable x1. A USB touch cable is not listed. Confirm the plug type, final cable set, mounting accessories and packing list in the quotation.

Document identification

English technical reference EN3, dated 12 October 2026. The individual model specifications remain revision V1; model data is on pages 2-5. Use the approved configuration and released drawing for your order. This reference summarizes technical sources and does not replace a complete test report.