XW02 SERIES

TC touchscreen monitor selection guide

Five standard models from 10.1 to 21.5 inches. Compare display format, temperature limits and power before selecting a configuration.

300-1000 cd/m²

Configuration-dependent luminance range. Confirm the selected brightness when ordering.

HDMI + VGA | USB touch

DC 12 V | VESA 100 × 100 mm

Source revision: TC V1 English compilation: EN1 - 2026-11-05



Series rear-view reference; final appearance depends on the selected model.

MODEL COMPARISON

Model	Size	Resolution	Operating temp.	Power*
YL-HZXW02Q101TC-V1	10.1"	1280 × 800	-20 to 70°C	≤20 W
YL-HZXW02Q133TC-V1	13.3"	1920 × 1080	-20 to 70°C	≤25 W
YL-HZXW02Q156TC-V1	15.6"	1920 × 1080	-30 to 80°C	<20 W
YL-HZXW02Q185TC-V1	18.5"	1920 × 1080	-20 to 70°C	≤30 W
YL-HZXW02Q215TC-V1	21.5"	1920 × 1080	0 to 50°C	<30 W

*Model-specific operating-power values from TC V1. All five specify idle power below 1 W. Confirm the final brightness and thermal configuration together.

BEFORE ORDERING

Confirm the selected model, luminance, environment and installation drawing. Mechanical dimensions and net weight require confirmation.

10.1-inch Touchscreen Monitor

YL-HZXW02Q101TC-V1

XW02 standard TC | External-host display with capacitive USB touch

DISPLAY

Display size	10.1 inches
Resolution	1280 × 800
Luminance	300-1000 cd/m²
Contrast ratio	800:1
Viewing angle	85/85/85/85°
Display colors	16.7 million
LCD response	25 ms
MTBF	30,000 hours

TOUCH

Technology	Capacitive touchscreen
Interface	USB; driver-free
Response time	≤5 ms
Surface hardness	Mohs 7

ELECTRICAL

Video inputs	HDMI + VGA
Power input	DC 12 V
Power connector	DC 5521
Operating power	Pmax ≤20 W
Idle power	< 1 W

ENVIRONMENT

Operating temp.	-20 to 70°C
Storage temp.	-30 to 80°C
Humidity	10-90% RH

MECHANICAL

Construction	Sheet-metal back plate and rear enclosure
VESA mounting	100 × 100 mm
Net weight	TBD

CONFIGURATION & INSTALLATION

Brightness is configuration-dependent. Confirm the selected luminance when ordering. Request the released mechanical drawing for dimensions, mounting hardware, panel cutout and clearances. The TC source also lists external mounting; dimensions require engineering confirmation.

13.3-inch Touchscreen Monitor

YL-HZXW02Q133TC-V1

XW02 standard TC | External-host display with capacitive USB touch

DISPLAY

Display size	13.3 inches
Resolution	1920 × 1080
Luminance	300-1000 cd/m²
Contrast ratio	800:1
Viewing angle	89/89/89/89°
Display colors	16.7 million
LCD response	30 ms
MTBF	30,000 hours

TOUCH

Technology	Capacitive touchscreen
Interface	USB; driver-free
Response time	≤5 ms
Surface hardness	Mohs 7

ELECTRICAL

Video inputs	HDMI + VGA
Power input	DC 12 V
Power connector	DC 5521
Operating power	Pmax ≤25 W
Idle power	< 1 W

ENVIRONMENT

Operating temp.	-20 to 70°C
Storage temp.	-20 to 70°C
Humidity	10-90% RH

MECHANICAL

Construction	All-metal body
VESA mounting	100 × 100 mm
Net weight	TBD

CONFIGURATION & INSTALLATION

Brightness is configuration-dependent. Confirm the selected luminance when ordering. Request the released mechanical drawing for dimensions, mounting hardware, panel cutout and clearances.

15.6-inch Touchscreen Monitor

YL-HZXW02Q156TC-V1

XW02 standard TC | External-host display with capacitive USB touch

DISPLAY

Display size	15.6 inches
Resolution	1920 × 1080
Luminance	300-1000 cd/m²
Contrast ratio	800:1
Viewing angle	85/85/85/85°
Display colors	16.2 million
LCD response	25 ms
MTBF	50,000 hours

TOUCH

Technology	Capacitive touchscreen
Interface	USB; driver-free
Response time	≤5 ms
Surface hardness	Mohs 7

ELECTRICAL

Video inputs	HDMI + VGA
Power input	DC 12 V
Power connector	DC 5521
Operating power	Pmax <20 W
Idle power	< 1 W

ENVIRONMENT

Operating temp.	-30 to 80°C
Storage temp.	-30 to 85°C
Humidity	10-90% RH

MECHANICAL

Construction	All-metal body
VESA mounting	100 × 100 mm
Net weight	TBD

CONFIGURATION & INSTALLATION

Brightness is configuration-dependent. Confirm the selected luminance when ordering. Request the released mechanical drawing for dimensions, mounting hardware, panel cutout and clearances.

18.5-inch Touchscreen Monitor

YL-HZXW02Q185TC-V1

XW02 standard TC | External-host display with capacitive USB touch

DISPLAY

Display size	18.5 inches
Resolution	1920 × 1080
Luminance	300-1000 cd/m²
Contrast ratio	1000:1
Viewing angle	89/89/89/89°
Display colors	16.7 million
LCD response	14 ms
MTBF	50,000 hours

TOUCH

Technology	Capacitive touchscreen
Interface	USB; driver-free
Response time	≤5 ms
Surface hardness	Mohs 7

ELECTRICAL

Video inputs	HDMI + VGA
Power input	DC 12 V
Power connector	DC 5521
Operating power	Pmax ≤30 W
Idle power	< 1 W

ENVIRONMENT

Operating temp.	-20 to 70°C
Storage temp.	-20 to 70°C
Humidity	10-90% RH

MECHANICAL

Construction	All-metal body
VESA mounting	100 × 100 mm
Net weight	TBD

CONFIGURATION & INSTALLATION

Brightness is configuration-dependent. Confirm the selected luminance when ordering. Request the released mechanical drawing for dimensions, mounting hardware, panel cutout and clearances.

Source: model-specific TC V1 specifications

21.5-inch Touchscreen Monitor

YL-HZXW02Q215TC-V1

XW02 standard TC | External-host display with capacitive USB touch

DISPLAY

Display size	21.5 inches
Resolution	1920 × 1080
Luminance	300-1000 cd/m²
Contrast ratio	1000:1
Viewing angle	89/89/89/89°
Display colors	16.7 million
LCD response	14 ms
MTBF	30,000 hours

TOUCH

Technology	Capacitive touchscreen
Interface	USB; driver-free
Response time	≤5 ms
Surface hardness	Mohs 7

ELECTRICAL

Video inputs	HDMI + VGA
Power input	DC 12 V
Power connector	DC 5521
Operating power	Pmax <30 W
Idle power	< 1 W

ENVIRONMENT

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

MECHANICAL

Construction	All-metal body
VESA mounting	100 × 100 mm
Net weight	TBD

CONFIGURATION & INSTALLATION

Brightness is configuration-dependent. Confirm the selected luminance when ordering. Request the released mechanical drawing for dimensions, mounting hardware, panel cutout and clearances. Apply this model's 0 to 50°C operating limit.

Source: model-specific TC V1 specifications