Technical Datasheet

Product Name: 7-Inch Motorcycle TFT LCD Display

Model No.: XY-MOTO070

Brand: Xingyue Technology Co., Ltd.

Version: V1.0

Date: July 2025

1. Product Overview

The 7-inch TFT LCD display is specially designed for motorcycle and electric vehicle applications. It features high brightness, wide viewing angles, IP65 waterproof front panel, and optional capacitive touch for intelligent interaction. With CAN bus and customizable interface support, it can be seamlessly integrated into smart dashboards and rugged environments.

2. Key Features

7" TFT LCD with IPS technology

High brightness ≥1000 cd/m², sunlight readable

Wide temperature operation: -20°C ~ +70°C

Capacitive multi-touch panel (optional)

CAN Bus / LVDS / HDMI interface (customizable)

IP65 waterproof front panel

Anti-glare & anti-scratch surface treatment

Suitable for motorcycles, e-bikes, off-road vehicles

3. Specifications

Item Specification

Display Size 7.0 inch

Resolution 1024 × 600

Display Type TFT LCD (IPS)

Brightness ≥1000 cd/m²

Contrast Ratio 800:1

Viewing Angle 80°/80°/80°/80° (L/R/U/D)

Touch Type Capacitive touch (optional)

Interface LVDS / HDMI / CAN bus

Supply Voltage 12V / 24V (customizable)

Operating Temperature -20°C ~ +70°C

Storage Temperature -30°C ~ +80°C

Waterproof Level IP65 front panel

Surface Treatment Anti-glare, anti-scratch

Mounting Method Rear/Bracket Mount (customizable)

Application Motorcycle, E-bike, Off-road, ATV

4. Mechanical Drawing

(Diagram Placeholder — will insert drawing or outline upon confirmation)

5. Application Scenarios

Motorcycle smart dashboard

E-motorbike and e-bike control panel

GPS & multimedia system for long-distance riding

Off-road vehicles (ATV/UTV/agricultural bikes)

Shared mobility terminals (bike/e-scooter sharing)

6. Customization Options

UI design / logo printing

Interface type (RS232/CAN/HDMI/LVDS)

Housing design & color

Touch panel (glove support / waterproof level)

7. Certifications (if any)

CE / RoHS / FCC / ISO9001 (optional based on version)