



*Shenzhen Mooncell Electronics Co.,*

# **3D Active Shutter Glasses**

***M-MX50 Product Specifications***

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# Update Records

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Document version	Release Time	Update Record
V3.0	November 8, 2022	First Release

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# 1 Product Overview

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## Product Introduction

The M-MX50 is a 2.4G RF 3D active shutter glasses launched by Mooncell, which is combined with a 2.4G RF RF 3D sync up signal transmitter for viewing 3D images displayed on a 3D LED display.

## Product Features

- Ergonomic design, comfortable to wear;
- Optical optimization design to improve lens light transmittance and CR (contrast ratio);
- Low power consumption design, improve battery life;
- When there is no signal, the glasses automatically close.

## Application Scenarios

Used to watch 3D images displayed on LED 3D displays. Such as scientific popularization education, exhibitions, interactive entertainment and other high refresh rate (higher than 3840Hz) LED screen 3D display occasions.

# 2 Product Specification

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## Product Appearance



## Specifications

Shutter Type	LCD Shutter Type	Way to Sync up	2.4G RF
Refresh Rate	96HZ~144HZ	Light Transmittance	38+/-2%
Shutdown Current	0.1uA(TYP)	Working Current	1.8mA(TYP)
Continued operating time of the lens when	6 Seconds		

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there is no signal	
Standby time when no signal	1 Minute
LCD lens response time	4ms
CR (contrast ratio)	1000: 1
Receiving Distance	straight line 8m (Note 1)
Charging Voltage	5V
Charging time (Note 2)	2-4 Hour
Power Supply mode	3.7V 80mA Rechargeable LI Battery
EMC&Safety	Compliant with CE standards
Working Conditions	Working Humidity: 20%-80%RH
	Operating Temperature: 0°C-40°C
	Storage Temperature: -10°C-60°C

Note 1: The viewing distance is related to the brightness of the LED display.

Note 2: The duration of the charging time is related to the starting voltage of the battery and has a certain fluctuation range.

## **Precautions**

- The matching 3D LED display refresh rate is not less than 3840HZ.
- It is forbidden to immerse conductive objects such as liquid and metal fragments into the equipment to avoid safety accidents.
- Please use the equipment in a dry and clean environment.

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