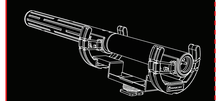
370mm

260mm

SM2

Super Directional Shotgun Microphone

超指向枪式麦克风



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SM-2 is a shotgun condenser microphone specially designed for photography, interviews and recording. It adopts a unique vertical bar and acoustic interference tube design. It can provide high sensitivity and super-cardioid directional characteristics, effectively resist radio frequency interference, and perfectly capture the desired sound. It can provide high sensitivity and super-cardioid directional characteristics, resist radio frequency interference effectively and pickup more clear vocal sound. SM-2 has a built-in 100Hz high-pass filter, which can prevent low-frequency noise effectively such as air conditioning and other environmental noises from being recorded. It can be powered by AA (1.5V) batteries or 48V phantom power for professional audio recorders, cameras and power supplies. Equipped with an anti-vibration frame, which can reduce the hard noise caused by the vibration of the equipment during photography and interview recording, and the attached windshield can minimize the slight wind and popping noise during the recording process.

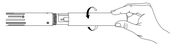
Features

- Metal structure, strong and durable.
- Super-cardioid directional, providing excellent off-axis pickup effects.
- Low noise circuitry.
- 100Hz high-pass filter selection.
- 48V phantom power or AA (1.5V) battery power supply.
- XLR 3-pin socket balanced output.

02 Supplying Power

The SM-2 requires power to operate. This needs to be supplied via P48V phantom power supply which is available from most professional video cameras or mixing consoles. Additionally you have the option of using an internal 1.5V AA battery.

1. To insert a battery, turn the base of the microphone anti-clockwise to unscrew.



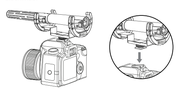
2. Slide the cover down to reveal the battery compartment (the cover will not come off the end of the mic so do not force pull it out). Insert the battery 'bottom first', checking the polarity using the sticker diagram as a guide.

3. Close the battery cover and retighten the end barrel by screwing clockwise until it is reasonably tight.
4. It is recommended that you remove the battery from the SM-2 when the microphone is not in use for a long time, as current is drawn whenever a battery is installed.

04 Product Installation

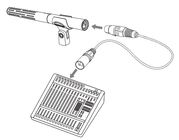
1. Insert the microphone body into the microphone shock mount or microphone clip. Make sure that the microphone body is in and well-balanced.
2. Connect the windshield to the front of the microphone body. The arc position of the bracket will accommodate the shape of the microphone body and keep it in place.

3. Before installing it on the camera, turn the fixing ring on the microphone shoe counterclockwise to loosen it.
4. Slide the microphone shoe into the camera holder. After the microphone is in place, tighten the retaining ring clockwise.

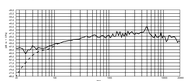


06 Use of balanced XLR cable

Connect one end of the XLR three-pin XLR female to the output jack at the end of the microphone, and then connect the XLR male at the other end to the audio input jack of the mixer.



07 Frequency response curve



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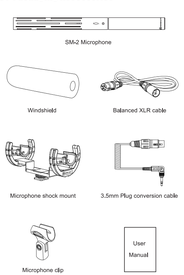
01 Packaging Accessories

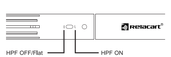


1

03 Using the SM-2

The SM-2 incorporates a switchable high pass filter set at 100Hz. This can be used when you wish to remove low frequency noise that is not part of your intended sound source. Remember however the sound characteristics will be affected by this, so it is important to confirm whether it is appropriate before you use the HPF function.

The HPF activated by the recessed switch shown to the figure below. A small screwdriver or pen tip will be required as the switch is designed to prevent accidental toggling.



SM-2 is equipped with a sponge windshield. This windshield should be used even in the breeze, as the breeze can also cause sound interference.

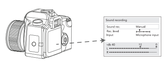
When you use the microphone in strong winds, you may need to buy a more professional windshield, which will provide additional protection for harsh wind conditions.

2

05 Use of 3.5mm plug conversion cable

1. Connect one end of the XLR three-pin XLR female to the output jack at the end of the microphone, and connect one end of the 3.5mm plug to the "audio input" jack of the camera.

2. To get the best performance of SM-2, please set the audio input of your camera as follows.

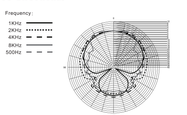


Audio input: microphone input
Audio Level/Gain Control: Manual (if possible)
Plug-in power: Power on

* Refer to the instructions provided with your camera for instructions on setup the audio settings.

3

08 Directional



09 Technical Specifications

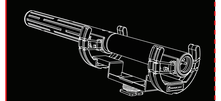
Microphone type:	condenser microphone
Directivity:	super directivity
Frequency response:	50Hz-20KHz
Output impedance:	350Ω
Maximum input sound pressure level:	130 dB SPL, 1KHz@1%THD
Signal to noise ratio:	105dB (A weighted), 1KHz@1%THD
Dynamic range:	>70dB
Sensitivity:	-45 dB@1V at 1Pa
Switch:	Through/High Pass Filter
Length:	280mm
Weight:	100g

4

SM2

Super Directional Shotgun Microphone

超指向枪式麦克风



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SM-2 是一款专为摄影、采访、录音使用的枪式电容话筒，采用独特的竖条配合声干涉管设计，能提供高灵敏度和超心指向特性，有效抵抗射频干扰，完美捕捉到所需的声音。SM-2 带有 100Hz 高通滤波器，能有效防止低频噪声如空调等环境噪声被录制下来。可以用 AA（1.5V）电池或者专业录音机、摄像机和电源提供的 48V 幻象电源供电。配备的震架，能减少摄影、采访时由于设备震动所产生的噪声，而随附的防风罩能够最大限度减少室外录制过程中的风噪声。

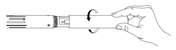
特点：

- 金属结构，坚固耐年。
- 超心形指向特性，提供优异的离轴拾音效果。
- 低噪声电路。
- 100Hz 高通滤波器选择。
- 48V 幻象电源或者 AA（1.5V）电池供电。
- XLR 三针座平衡输出。

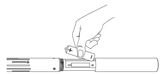
02 供电方式

SM-2 需要电源才能操作。这需要通过 P48V 幻象电源来提供，该电源可从专业的录音机、摄像机或调音台获得。此外，您还可以选择使用内部 1.5V AA 电池。

1、要插入电池，请逆时针旋转话筒的底座以将其拧开。



2、向下滑动外盖以露出电池仓（外盖不会从话筒的末端脱落，因此请勿用力拉出）。“先从底部”放入电池，并以电池仓的正负极为指导检查极性。

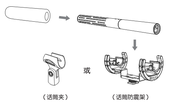


3、关闭电池盖，然后顺时针旋转话筒的外盖，直到其完全拧紧为止。

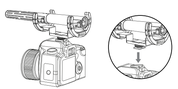
4、建议您长期不使用话筒时，请从 SM-2 取出电池，因为每当安装电池时都会消耗电流。

04 产品安装

1. 将话筒主体插入话筒防震架或话筒夹上。确保话筒机身处于且良好平衡。
2. 将防风罩连接到话筒主体的前方。支架弧形位置将容纳话筒主体的形状，将其保持在适当的位置。

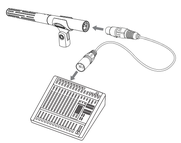


3. 安装到相机之前，将话筒靴座上的固定环逆时针转动，令其松开。
4. 将话筒靴座滑入到相机支架。话筒就位后，顺时针拧紧固定环。

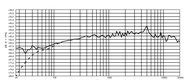


06 平衡卡侬连接线使用

将 XLR 三针卡侬母的一端连接到话筒尾部的输出插孔，再将另一端的卡侬公连接到调音台“音频输入”插孔。



07 频响曲线



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掃描二維碼了解更多

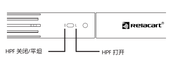
01 包装配件

5

03 使用SM-2

SM-2 包含了一个设置为 100Hz 的可切换高通滤波器。当您希望消除不属于您预期声源的低频噪声时，可以使用此功能。但是请记住，声音特性会受此影响，因此，在您是否使用 HPF 功能之前，确认是否合适是很重要的。

下图所示的嵌入式 HPF 开关可放活。需要一个小螺丝刀或笔尖，因为开关的设计是为了防止意外拨动。



SM-2 配有海绵防风罩。即使在微风中也应使用此防风罩，因为微风也会引起声音干扰。

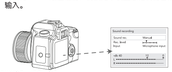
当您在强风中使用话筒时，您可能需要购买更专业的防风罩，它将为恶劣的风况提供额外的保护。

6

05 3.5mm插头转换线使用

1. 将 XLR 三针卡侬母的一端连接到话筒尾部的输出插孔，3.5mm 插头的一端连接到相机“音频输入”插孔。

2. 为获得 SM-2 最佳性能，请按如下设置您相机的音频输入。

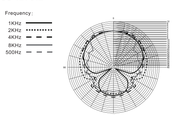


音频输入：话筒输入
音频电平/增益控制：手动（可能的话）
插入式电源：开启

*参照您相机随附的说明书了解调节音频设置的说明。

7

08 指向性



09 技术指标

传声器类型：	直流偏压型电容式话筒
指向性：	超指向
频率响应：	50Hz-20KHz
输出阻抗：	350Ω
最大输入声压级：	130 dB SPL，1KHz@1%THD
信噪比：	105dB（A加权），1KHz@1%THD
动态范围：	>70dB
灵敏度：	-45 dB@1V于1Pa
开关：	直通/高通滤波器
长度：	280mm
重量：	约100g

8

双面：370 x 260 mm,100克书写纸

红色框：说明书尺寸大小

红色虚线：折叠位置（风琴折，再上下对折）