

Boya Microphone Catalog

Design / Performance / Sound

**Boya Audio Equipment (Shenzhen) Co.,Ltd**  
Add: A16 Building,Intelligent Terminal Industrial Park of Silicon Valley Power,  
Guanlan,Longhua District,Shenzhen,China  
Tel: (86)0755-28435910  
Email: sales@boyamicrophone.com

BOYA  
MICROPHONE  
CATALOG  
2019



ABOUT US

BOYA is a leading and well-known audio supplier started in 2007. We specialize in providing all kinds of audio solutions such as: wired audio devices, wireless audio system, potable audio and mobile audio system for different level of customers. Now our products have been sold to and available in more than 150 countries and regions.

With a professional R&D team for over 100 engineers, we’re able to develop all kinds of innovate and creative products by our own with latest technology.

With our own production factory, we have the capability to supply our customers with sufficient stock.

With our internal quality control department, we control every process of our production including from the very beginning of developing a new product. With quality control, we assure that all customers receive quality products from us.

With after-sales service department, we provide our customers fast and high level after-sales service if any product is found not working properly.

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# BY-WM8 Pro System

## UHF Dual-Channel Wireless Microphone System

Capturing audio with dual subjects, features an easy-to-read LCD display, a wide switching RF bandwidth, PLL-synthesized tuning and digital companding circuitry.

- 48 selectable channels
- Ideal for interviews, broadcast, EFP, and ENG applications
- Up to 100m (328 ') operating range



### WIRELESS MICROPHONE

#### TX8 PRO

##### Bodypack Transmitter

Rugged lightweight design for easy use with RX8 Pro and SP-RX8 Pro.

- A or B channel group for selection
- Selectable Mic/Line Input
- Mute function
- RF output power:  $\leq 10$  mW
- Distortion: 0.5% or less



#### BY-WHM8 PRO

##### Handheld Transmitter

With a dynamic, cardioid capsule, suitable for BOYA RX8 Pro and SP-RX8 Pro.

- A or B channel group for selection
- Cardioid microphone transmitter
- Lightweight, durable housing
- RF output power:  $\leq 10$  mW
- Signal-to-noise ratio: 80 dB



#### SP-RX8 PRO

##### Handheld Receiver for Smartphone

SP-RX8 Pro handheld wireless receiver works with BOYA TX8 Pro, BY-WHM8 Pro and BY-WXLR8 Pro as a wireless audio kit for iPhone, and Android devices.

- A or B channel group for selection
- Shutter button for taking pictures and videos
- Real-time monitoring
- 2\* AA batteries or 5V USB Power



#### BY-WXLR8 PRO

##### XLR Plug-on transmitter

Plug-On Transmitter with XLR connection works with any XLR dynamic microphone or battery-powered condenser microphone, easily comparing with BOYA RX8 Pro and SP-RX8 Pro.

- UHF transmission with 48 channels
- A or B channel group for selection
- Locking XLR & 3.5mm TRS Inputs
- Selectable Mic/Line Input
- Mute function
- Powered by one two AA batteries



#### RX8 PRO

##### Bodypack Receiver

Features digital companding circuitry and easy-to-read LCD display, suitable for BOYA TX8 Pro, BY-WHM8 Pro and BY-WXLR8 Pro.

- Wide frequency coverage
- Adjustable MONO and Stereo
- Headphone output
- Distortion: 0.5% or less
- Power supply: 2\* AA batteries



## BY-WM8 Pro System

BY-WM8 PRO-K1



BY-WM8 PRO-K2



BY-WM8 PRO-K3



BY-WM8 PRO-K5



BY-WM8 PRO-K7







WIRELESS MICROPHONE

BY-WM60

UHF Wireless Microphone System

BY-WM60 is an upgraded UHF digital wireless microphone system, features all durable metal construction, easy to read LCD displays, digital companding circuitry making it suitable for a wide range of wireless applications such as ENG, documentary work, live sound, conferences, and more.

- Compander for clearer sound
- Muting function
- For Film, field, and video applications
- Rugged aluminum construction

System

Channels:	48
Oscillator type:	PLL synthesizer
Frequency response:	40 Hz to 18 kHz (+/-3dB)

Transmitter

RF output power:	≤10 mW
Spurious emission:	250nW or less
Reference deviation:	±5 kHz [-60 dBV, 1 kHz input]
Input frequency range:	20Hz-20KHz
Distortion:	0.4% or less



Receiver

Antenna:	1/4 λ PCB antenna
Signal to noise ratio :	80 dB or more
Distortion :	0.4% or less
Headphone output level :	30mW [16 Ω]
Audio output level :	-60 dBV

BY-WM4 Mark II

2.4 GHz Wireless Microphone

Designed for videographers on a limited budget and video hobbyists, new generation of digital wireless microphone brings the convenience of a 2.4 GHz wireless system and capture audio straight to your smartphones, DSLR cameras, Consumer Camcorders, PCs etc.

- Clear recording sound
- Light and compact for easy carrying
- Omnidirectional lavalier microphone
- Easy to use
- Hard case included
- Up to 50m (164 feet) operation range (without obstacle)
- Power supplied by two AA batteries

Frequency band:	2.4GHz (2405-2478MHz)
Frequency response:	35Hz-14KHz±3dB
Signal/Noise:	80dB or more
Distortion:	0.1% or less (320,1 KHz,65mW output)
RF output level:	3mW
Reception sensitivity:	-87dB +/- 3dB / 0dB=1V/Pa, 1kHz
Power requirements:	1.5V DC (One AA size battery)





# BY-WFM12

## VHF Wireless Microphone

With a durable and flexible antenna, 12 selectable operating channels, real-time monitoring design, capturing high-quality audio recording ideal for interviews, film making, and business presentations, or other applications that require portability.



### WIRELESS MICROPHONE

#### TX12



##### Bodypack Transmitter

Features rugged, lightweight construction and detachable and flexible antenna design that advances transmission reliability, works with BOYA RX12 and SP-RX12.

- 50m (164ft) operation range (without obstacle)
- LCD screen for transmitter
- Two MIC jacks
- TX-belt for fitting to a belt or clothing
- Powered by 2\* AA batteries
- Sensitivity: 6 mV input for full deviation
- 12 switchable channels

#### RX12



##### Bodypack Receiver

Compact and lightweight bodypack transmitter, works with BOYA TX12 and BY-WHM12.

- 50m (164ft) operation range (without obstacle)
- Automatically matched for receiver
- Real-time monitoring
- Camera-Mount Receiver
- Volume control wheel
- Reception Sensitivity: 2  $\mu$ V for 30 dB

#### BY-WHM12



##### Handheld Transmitter

Lightweight and durable handheld transmitter, used to capture audio for live stage, interviews, and business applications, suitable for BOYA RX12 and SP-RX12

- 12 Switchable Channels
- Unidirectional dynamic element
- Durable construction
- Runs on two AA Batteries

#### SP-RX12



##### Handheld Receiver for Smartphone

SP-RX12 is a VHF handheld receiver, easy to set up, works with BOYA TX12 and BY-WHM12 as a smartphone video kit, suitable for interviews, film, business or educational applications and more.

- For use with iOS, Android devices
- Plugs directly into smartphones
- Shutter button for taking pictures and videos
- LED indicator light
- Real-time monitoring
- 2\* AA batteries or 5V USB Power

#### BY-WFM12 System

BY-WFM12-K1



BY-WFM12-K3



BY-WFM12-K6



BY-WFM12-K8





# LAVALIER MICROPHONES

Ultra-lightweight BOYA omnidirectional lavalier microphone offers a high-performance, all-in-one solution for recording hands-free audio to most of audio/video devices.



## LAVALIER MICROPHONES

### BY-LM10

#### Lavalier Microphone for Smartphone



- Lavalier mic for Iphone/Ipad, most of Android devices.
- Omni-directional condenser microphone
- High-quality Mic is ideal for video use.
- Low handling noise, easy to use.

Frequency Range:	35Hz ~ 18KHz
Signal/Noise:	74dB SPL
Sensitivity:	-38dB +/- 3dB / 0dB=1V/Pa, 1kHz
Includes:	Lapel clip, foam windscreen, fur pouch
Cable length:	Microphone: 1.2m (4ft)

### BY-M1

#### Lavalier Microphone



- Lavalier microphone for Smartphones, DSLR Cameras, Camcorders, Audio recorders etc.
- Omni directional condenser microphone
- Ideal microphone for video use

Frequency Range:	65Hz ~ 18KHz
Signal/Noise:	74dB SPL
Sensitivity:	-30dB +/- 3dB / 0dB=1V/Pa, 1kHz
Includes:	lapel clip, LR44 battery, foam windscreen, 1/4" Adapter
Cable Length:	6.0m(20ft)

### BY-M1 Pro

#### Omnidirectional Lavalier Microphone



- Clip-On Mic for Smartphones, DSLR, Camcorders, Audio recorders, PC etc.
- Omnidirectional lavalier microphone
- Higher sound quality and lower noise
- A selectable -10dB pad
- Switchable Smartphone and Camera mode
- 3.5mm output headphone jack

Frequency response:	35Hz-18KHz
Signal/Noise:	78dB or more
Output impedance:	1000Ω or less
Power requirement:	LR44 (Included)
Cable Length:	6.0m(20ft)

### BY-M1DM

#### Dual Omnidirectional Lavalier Mic



- For Smartphones, DSLR, Camcorders, Audio recorders, PC etc
- Omni directional condenser microphone
- Excellent for interviews
- Improved Sensitivity & Signal-to-Noise

Frequency response:	65Hz-18KHz
Signal/Noise:	74dB or more
Power requirement:	LR44 (included)
Cable length:	4m(13ft)





# DIGITAL LAVALIER MICROPHONE

With rugged metal construction and omnidirectional polar pattern features, BOYA digital lavalier microphones provide professional solution for mobile recording and computer recording.

## DIGITAL LAVALIER MICROPHONE

### BY-DM1

Digital Lavalier Microphone for iPhone®, iPad®, iPod® touch



- Lightning connector for iOS Devices
- Omnidirectional clip-on microphone
- 24 bit/48 kHz
- Apple MFi certified Lightning connector
- All-metal construction

Frequency response:	30Hz-20KHz
Sampling frequency:	44.1kHz/48KHz
Bitrate:	16Bit/24Bit
Sensitivity:	-42+/-30dB(1KHz,0db=1v/pa)
Signal to Noise Ratio:	78dB
Cable length:	4m(13ft)

### BY-DM2

Digital Lavalier Microphone for Android Devices



- USB Type-C connector for Android Devices
- Omnidirectional clip-on microphone
- Improve your Videos with high-quality sound
- All-metal construction

Frequency response:	30Hz-20KHz
Sampling frequency:	44.1kHz/48KHz
Bitrate:	16Bit/24Bit
Signal to Noise Ratio:	78dB
Cable length:	4m(13ft)

### BY-DM10

Digital Lavalier Microphone for iOS/Mac/Windows



- Designed for iOS Devices, and any Mac, Windows computer
- Omnidirectional clip-on microphone
- Apple MFi certified Lightning connector
- All-metal construction

Sensitivity:	-42+/-30dB(0dB=1V/Pa,at 1KHz)
Signal to Noise Ratio:	80dB and more
Frequency Response:	40Hz-20kHz
Sampling Frequency:	44.1 kHz / 48 kHz/96kHz
Bitrate:	16Bit / 24Bit
Cable Length:	6.0m(20ft)

### BY-DM20

Mobile devices Interview Kit



BOYA BY-DM20 is digital dual-mic kit consists of two omnidirectional condenser lavalier microphones, works with iOS or Android devices for presentations, podcasts, vlogging, interviews, or any situation where one subject or more than one subject needs to be recorded.

- Digital dual lavalier microphones
- Specially designed for iOS or Android devices
- Available for direct monitoring and playback monitoring
- A selectable Stereo/Mono pad
- 3.5mm stereo headphone jack

Output:	Type-C connector
Frequency Response:	45Hz-20kHz
Gain:	0-30dBu
Sampling Frequency:	44.1 kHz / 48 kHz
Bitrate:	16Bit / 24Bit
Connector:	1) Apple MFi certified Lightning 2) Type-C 3) USB-A

### BY-DM10UC

Digital Lavalier Microphone for Android/Mac/Windows



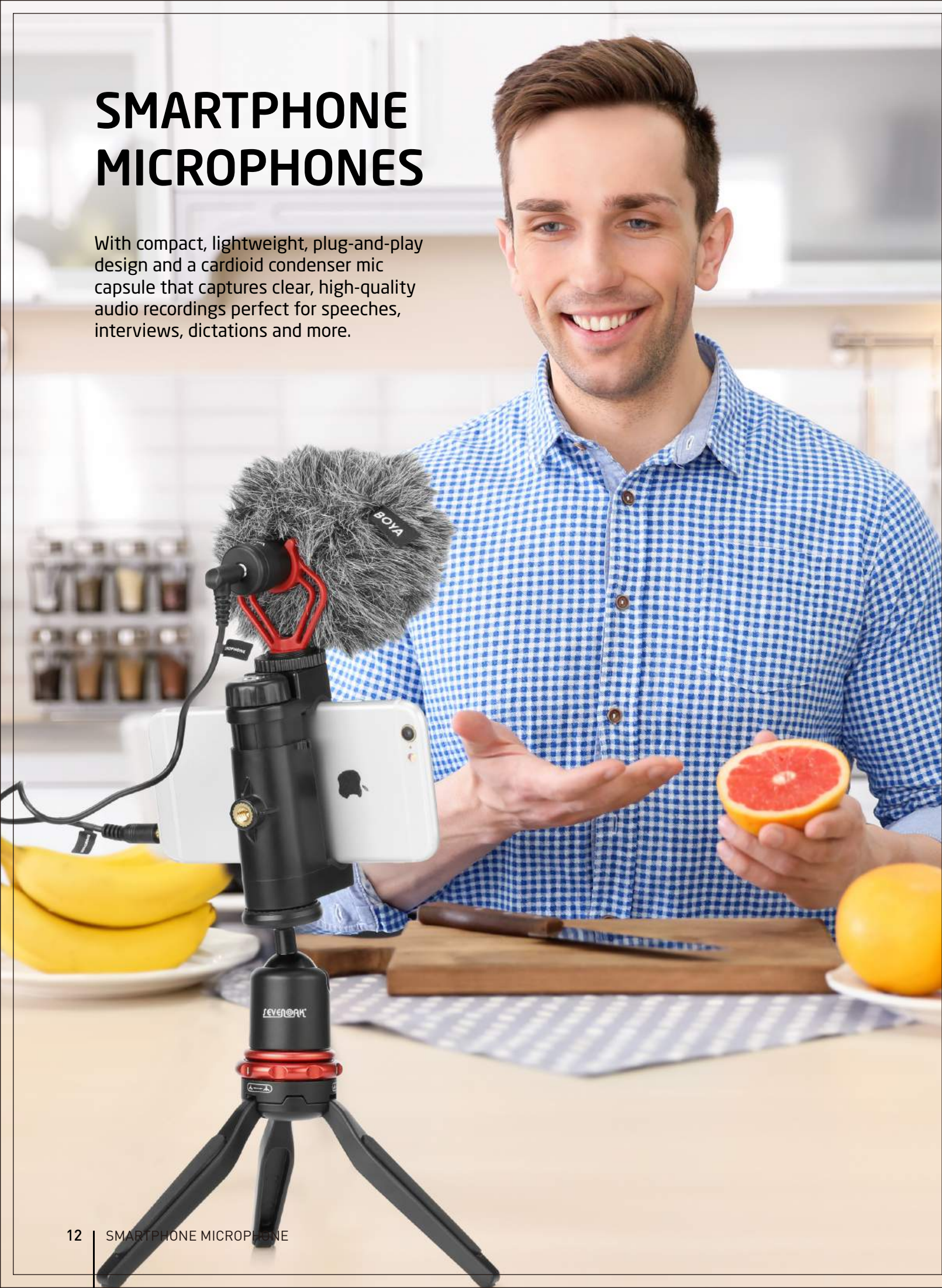
- Designed for Android devices, and any Mac, Windows computer
- Omnidirectional clip-on microphone
- Improve your video with high-quality sound
- All-metal construction

Sensitivity:	-42+/-30dB(0dB=1V/Pa,at 1KHz)
Polar Pattern:	Omni-directional
Signal to Noise Ratio:	80dB and more
Frequency Response:	40Hz-20kHz
Gain:	0-30 dB
Sampling Frequency:	44.1 kHz / 48 kHz/96kHz
Bitrate:	16Bit / 24Bit
Cable Length:	6.0m(20ft)



# SMARTPHONE MICROPHONES

With compact, lightweight, plug-and-play design and a cardioid condenser mic capsule that captures clear, high-quality audio recordings perfect for speeches, interviews, dictations and more.



## SMARTPHONE MICROPHONE

### BY-DM100

Plug-in Microphone for Android devices



- Specially designed for Android devices
- Type-C connector
- Cardioid polar pattern
- Plug and play

Frequency Response:	25-20,000Hz
Sensitivity:	-38±3dB (0dB=1V/Pa, at 1KHz)
Signal to Noise Ratio:	80dB

### BY-MM1

Universal Compact Microphone



- Compact on-camera microphone
- Compatible with smartphones, DSLR cameras, Consumer Camcorders, PCs etc.
- Rugged metal construction
- No battery required

Polar pattern:	Cardioid
Frequency Response:	35-18KHz +/-3dB
Sensitivity:	-42dB +/- 1dB / 0dB=1V/Pa, 1kHz
Signal to Noise Ratio:	76dB SPL
Plug:	3.5mm TRS and TRRS connection

### BY-DM200

Plug-in Microphone for iOS Devices



- Specially designed for iPad, iPhone, iPod touch
- Apple MFi certified Lightning connector
- Cardioid polar pattern
- Plug and play

Frequency Response:	25-20,000Hz
Sensitivity:	-38±3dB (0dB=1V/Pa, at 1KHz)
Signal to Noise Ratio:	80dB

### BY-BM2021

Compact Shotgun Mic



- Compatible with Smartphones, DSLR Cameras, Audio recorders, PC etc.
- Plug and play
- Requires 2.5V Camera plug-in Power
- Reinforced ABS construction

Polar pattern:	Super-Cardioid
Frequency Response:	40-20,000Hz
Sensitivity:	-35dB±3dB@1KHz
Signal to Noise Ratio:	76dB
Maximum SPL:	120 dB SPL



BY-BMM400

Microphone and Speakerphone System for Mobile and Computer

With portable and compact design, acoustic echo and noise cancellation, mute function, you can connect BOYA BY-BMM400 to smartphone, tablet, Mac or Windows computer and turns any room into a conference facility, or as a microphone to capture crystal-clear and high-quality audio recordings.



- LED and Audio Indicators
- Omni directional and noise filter microphone
- Plug-and-Play operation
- Includes built-in lithium battery
- 3.5mm headphone output
- Also includes 3.5mm TRRS MIC jack

Microphone Type:	Condenser Electret
Frequency Response:	20-20,000Hz
Sensitivity:	-45dB@1KHz
Output power:	2.5W
Battery Power:	3.7V/800mAh
Length:	Microphone cable length:2m(6.6ft)
	Data cable Length: 20cm(0.66ft)
Connector:	1) Apple MFi certified Lightning
	2) Type-C
	3) USB-A

BY-HM2

Digital Handheld Microphone for iOS/Android/Mac/Windows

Featuring a cardioid polar pattern, a low-noise preamp, high-definition 24-bit recording with up to 96 kHz sampling rate design, well-suited for capturing speech, vocals, acoustic instruments, and more.



- Works with Most iOS & Android Devices, Computers
- Rugged, durable metal housing
- 3.5mm output headphone jack
- Onboard gain control adjusts input level
- Headphone output with volume control
- Mic stand adapter, and carrying pouch
- Full Suite of recording software/Apps

Microphone Type:	Condenser Electret
Polar Pattern:	Cardioid
Frequency Response:	20-20,000Hz
Sensitivity:	-40±3dB (0dB=1V/Pa @ 1KHz)
Signal to Noise Ratio:	85dB
Conversion:	16-bit/24-bit
Sampling rate:	44.1 kHz ,48 kHz/96kHz
Connector:	1) Apple MFi certified Lightning
	2) Type-C
	3) USB-A
Cable length:	1.2m (4ft)

BY-UM2

Flexible 3.5mm(1/8") Jack TRS Microphone

With TRS locking mini plug, flexible cable, plug and play and metal-construction design, BOYA BY-UM2 can work with BOYA BY-WM8 Pro, BY-WFM12, BY-WM60 and more.



Transducer:	Condenser
Polar pattern:	Omni-directional
Frequency Range:	35Hz ~ 18kHz
Signal / Noise:	74dB SPL
Sensitivity:	-30dB +/-3dB / 0dB=1V/Pa, 1 kHz
Connector:	3.5mm TRS locking mini plug
Length:	16cm(6.3")

BY-HLM1

Wearable Mount Microphone



- Omnidirectional Polar Pattern
- Lightweight and easy to mount
- Wide compatibility
- 3.5mm(1/8") jack plug

Transducer:	Omni-directional
Acoustic Principle:	Permanently polarised condenser
Frequency Response:	50Hz-20,000Hz
Sensitivity:	-30±3dB(0dB=1V/Pa,at 1KHz)
Output Impedence:	2.2kΩ
Cable length:	1.2m (4ft)

BY-UM4

Flexible 3.5mm(1/8") Jack TRRS Microphone



- Captures audio for mobile devices
- And also any computer with 3.5mm headphone/microphone combo jack
- Flexible cable adjusts any angle you desire.
- Plug and play
- Easy and Convenient to use

Transducer:	Condenser
Polar pattern:	Omni-directional
Frequency Range:	35Hz ~ 18kHz
Signal / Noise:	74dB SPL
Sensitivity:	-30dB +/-3dB / 0dB=1V/Pa, 1 kHz
Connector:	3.5mm TRRS plug
Length:	16cm(6.3")

BY-A7H

Plug-In Condenser Microphone



- Compatible with Smartphones or Tablets
- Omni-directional Polar Pattern
- High-quality recording to your Smartphones
- Plug and Play
- 1/8" TRRS Connector

Transducer:	Electret capacitance
Polar Pattern:	Omni-directional
Signal / Noise:	74db SPL
Frequency Range:	65Hz- 18KHz
Sensitivity:	30dB +/- 3dB =1V/Pa, 1kHz



# COMPACT SHOTGUN MICROPHONE

Compact, lightweight, Cardioid Condenser Capsule, durable on-camera microphone and a 3.5mm(1/8") stereo mini-jack designed for recording audio for DSLR camera, camcorder, portable recorder etc.

## COMPACT SHOTGUN MICROPHONE

### BY-BM3011

#### Compact Shotgun Mic

- For DSLRs, Camcorders & More
- High-quality compact shotgun Mic
- Cardioid polar pattern
- Powered by AAA battery

Polar pattern:	Cardioid
Frequency Response:	70-20,000Hz
Sensitivity:	-47dB±3dB@1KHz
Signal to Noise Ratio:	85dB
Output Impedance:	200Ω
Operating time with battery:	70H



### BY-PVM50

#### Compact Stereo Condenser Microphone

- Stereo X/Y condenser microphone
- Compact, lightweight and easy-use
- Powered by included LR44 battery

Frequency Response:	60Hz - 18kHz±3dB
Sensitivity:	-30dB +/- 1dB / 0dB=1V/Pa, 1Hz
Signal-to-Noise Ratio:	78dB
Output Connector:	3.5mm stereo mini plug



### BY-VM600

#### Shotgun Microphone

- Studio recording quality
- Super-cardioid Polar Pattern
- Two step High Pass Filter (Flat/80Hz)
- 2-position level control(0dB,+10dB)

Frequency Response:	35-18,000Hz
Sensitivity:	-38dB +/- 1dB / 0dB=1V/Pa, 1kHz
Signal to Noise Ratio:	78dB
Dimensions(L*H*D):	171*88*45mm
Net Weight:	95g





# ON-CAMERA SHOTGUN MICROPHONE

Featuring rugged housing, super-cardioid condenser capsule, low self-noise and an integrated shock mount design, the on-camera shotgun microphones provide broadcast-quality for camcorders, DSLR, and portable recorders as a source of primary and reference audio.



## ON-CAMERA SHOTGUN MICROPHONE

### BY-BM3030

#### Video Shotgun Microphone



- Designed for camcorders, DSLR, and portable recorders
- High-Quality Condenser Microphone
- Super-cardioid shotgun microphone
- 3.5mm(1/8" ) Mini-Jack Output

Acoustic Principle:	Line Gradient
Directional Pattern:	Super-Cardioid
Frequency Response:	40-20,000Hz
Sensitivity:	-38dB±3dB@1KHz
Power Supply:	2 x AA batteries (not included)
Operating time with battery:	150H

### BY-BM3032

#### Video Camera Shotgun Microphone



- Broadcast sound quality
- Super-cardioid shotgun microphone
- Wide frequency range and high sensitivity
- Excellent off-axis signal rejection
- Audio level adjustment
- Safety channel option on right channel
- 3.5mm(1/8" ) stereo mini TRS connector
- Integrated shock mount

Frequency Response :	20-20,000Hz
Sensitivity:	-22dB±3dB@1KHz
Signal to Noise Ratio:	85dB
Power Supply:	2* AA batteries
Battery life:	50H
PAD Switch:	-10dB, 0dB, +20dB
Low-cut filter:	75Hz, 150Hz

### BY-BM3031

#### Super-cardioid Shotgun Microphone



- Broadcast quality condenser microphone
- Super-cardioid shotgun microphone
- Two step High Pass Filter (Flat/80Hz)
- Three-step PAD (0, -10, -20dB)
- Rugged reinforced ABS construction

Directional Pattern:	Super-Cardioid
Frequency Response:	40-20,000Hz
Sensitivity:	-38dB±3dB@1KHz
Signal to Noise Ratio:	80dB
Operating time with battery:	120H
PAD Switch:	-10dB, 0dB, +20dB

### BY-DMR7

#### Shotgun Microphone with Integrated Flash Recorder



- Camera-On condenser microphone
- Supercardioid polar pick up pattern
- Records 24-bit/48kHz wav audio
- Easy-to-use menu system and LCD display
- 3.5mm(1/8" ) Mini-Jack Output

Type:	Condenser Microphone
Polar pattern:	Super-cardioid
Recording Format:	WAV, 16bit/24bit, 24kHz/48kHz Sampling Rate
Frequency Response:	50 Hz to 20 kHz
Maximum SPL:	0 dB Gain Setting, 1 kHz at 1% THD, 1000 Ω load 110 dB SPL
Signal to Noise Ratio:	78 dB





# PROFESSIONAL SHOTGUN MICROPHONE

With lightweight and durable all-metal construction, outstanding off-axis signal rejection, low-noise output electronics and wide frequency bandwidth features, making them ideal for sound recordists, filmmakers, and content creators in ENG, EFP, and various audio-for-video productions.

## PROFESSIONAL SHOTGUN MICROPHONE

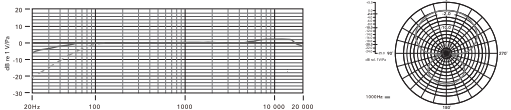
### BY-PVM1000

#### Professional Condenser Shotgun Microphone

- Broadcast-quality condenser Mic
- Durable all metal construction
- Two step high pass filter (Flat/80Hz)
- 48V Phantom power or 1.5 AA battery

Frequency range:	25Hz ~ 20kHz
Signal/Noise:	80dB SPL
Sensitivity:	-33dB +/- 3dB / 0dB=1V/Pa, 1kHz
Length:	27.8cm

#### Specifications:



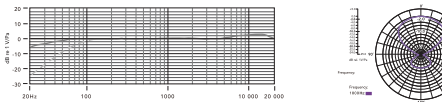
### BY-PVM1000L

#### Professional Condenser Shotgun Microphone

- Broadcast-quality Condenser Mic
- Maximizes directivity and narrows the pick up area.
- Two step high pass filter (Flat/80Hz)
- 48V Phantom power or 1.5 AA battery

Polar pattern:	super-cardioid
Frequency range:	30Hz ~ 20kHz
Signal/Noise:	80dB SPL
Length:	38cm

#### Specifications:



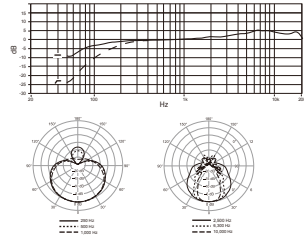
### BY-PVM3000

#### Modular Shotgun Microphone

- Modular Capsule Design
- Includes short ,medium and long sized capsule
- Hypercardioid polar pattern
- Detachable Capsule
- High off-axis noise rejection
- Controlled by low-cut filter switch

Frequency Response:	40-20,000Hz
Sensitivity:	-33dB±3dB@1KHz
MAX. SPL:	48V phantom: 130dB SPL 1.5V AA battery: 125dB SPL
Signal to Noise Ratio:	48V phantom: 80dB 1.5V AA battery: 82dB
Power Supply:	1.5V battery or 48V phantom
Filter:	Controlled by low-cut filter switch
Battery Life:	120h

#### Specifications:



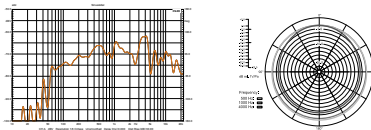
### BY-HM100

#### Omni-Directional Handheld Microphone

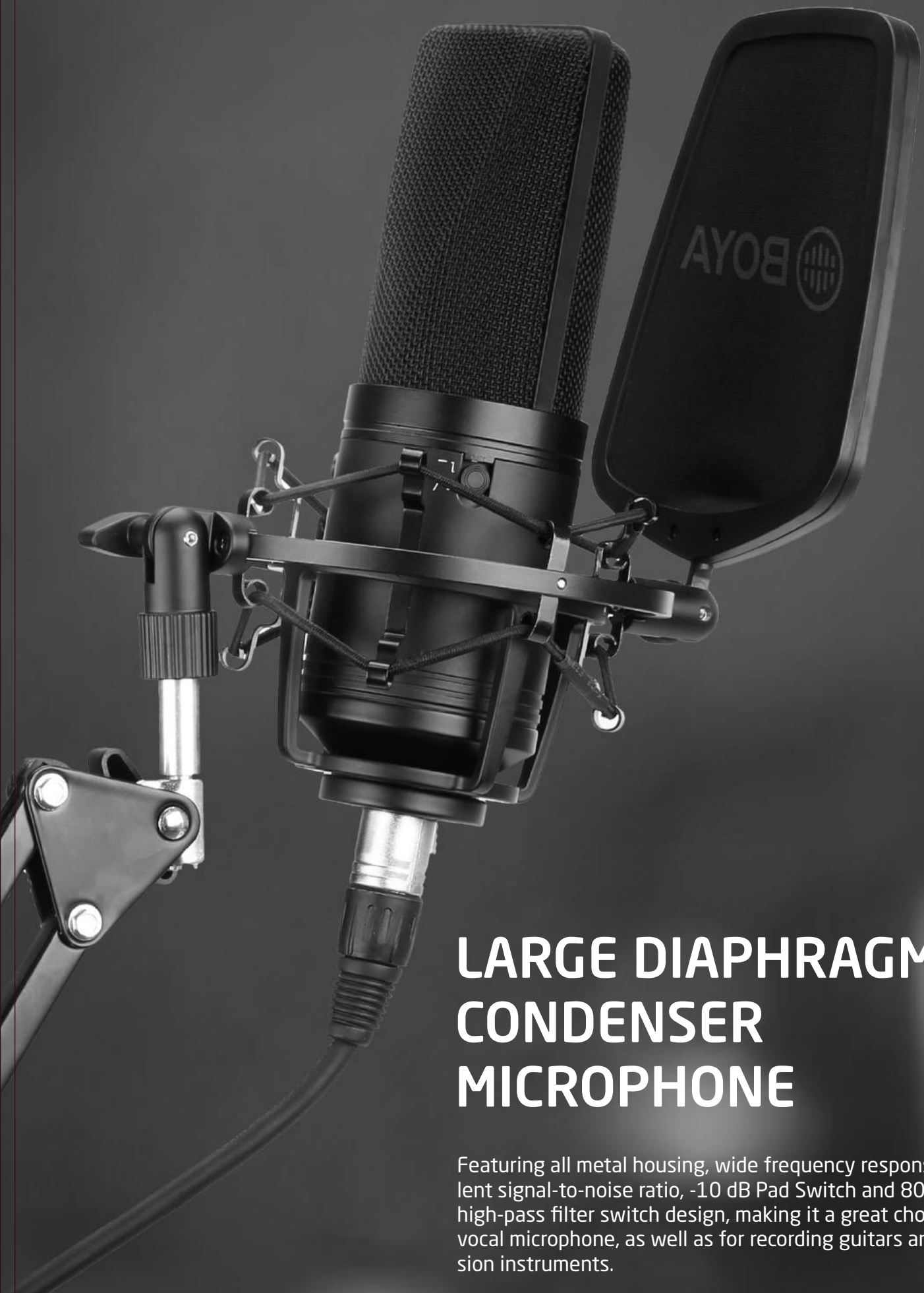
- Ideal for ENG & interviews
- Dynamic microphone capsule
- Excellent sound quality
- Durable aluminum-alloy body
- Low handling noise for clear sound

Frequency Range:	70Hz ~ 15 000Hz
Output Connection:	XLR
Sensitivity:	-56 dB

#### Specifications:







# LARGE DIAPHRAGM CONDENSER MICROPHONE

Featuring all metal housing, wide frequency response, excellent signal-to-noise ratio, -10 dB Pad Switch and 80 Hz high-pass filter switch design, making it a great choice for a vocal microphone, as well as for recording guitars and percussion instruments.

## BY-M800

### Cardioid Condenser Microphone

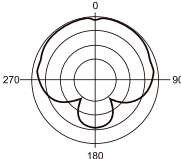
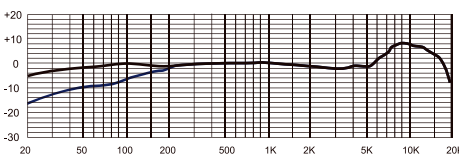
BOYA BY-M800 is a large cardioid diaphragm condenser microphone, with all metal construction housing, cardioid polar pattern, 20 Hz to 20 kHz frequency response, it's perfect for full-range reproduction of vocals and instruments.



- Cardioid polar pattern
- Studio-quality microphone
- Wide frequency range
- Controlled by low-cut filter switch
- A selectable -10 dB pad
- Included Shockmount & Pop Filter
- 3-Pin XLR plug
- 48V phantom power

Diaphragm:	34mm(1.3" )
Frequency Response :	20-20,000Hz
Sensitivity:	-34dB±3dB@1KHz
Signal to Noise Ratio:	80dB
Output Impedance:	200 Ohm
Power Supply:	48V phantom
Plug:	3-Pin XLR
Cable lenth:	3m(10ft)

#### Specifications:



## BY-M1000

### Large Diaphragm Studio Microphone

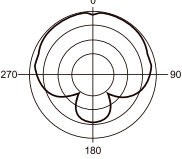
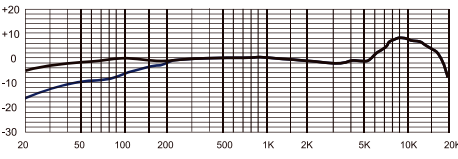
With 34mm(1.3" ) true condenser capsule , 3 selectable polar patterns, 20 Hz to 20 kHz frequency response features, BOYA BY-M1000 is suited for capturing instruments and vocals in project and professional recording applications, such as singer, songwriters, podcasters, voiceover artists, field recorders, and home studio recordings.



- Broadcast-quality condenser microphone
- Cardioid, Omnidirectional and Bidirectional polar patterns
- Wide frequency range and ultra low noise
- Off-axis rejection for clean recordings
- Included shockmount & pop filter
- Controlled by low-cut filter switch
- 0dB , -10 dB pad switch
- 3-Pin XLR plug
- 48V phantom power

Acoustic Principle:	Condenser
Polar Pattern:	Cardioid, Omnidirectional, Bidirectional
Diaphragm:	34mm(1.3" )
Frequency Response:	20- 20,000 Hz
Sensitivity:	-33±3dB (0dB=1V/Pa @ 1KHz)
SN:	80dB and more
Output Impedance:	200 Ohm
Cable Length:	3m(10ft)

#### Specifications:





# USB MICROPHONE

The USB microphones are plug-and-play cardioid condenser microphones for Mac or Windows computers, with triple-capsule, Letency-free monitoring jack and desk stand design, ideal for capturing instruments or speech with pristine sound quality, reduced ambient room noise and reflections, and free of vocal plosives.

## USB MICROPHONE

### BY-PM700

#### USB Microphone



- Compatible with Windows and Mac Computers
- 16-Bit/48 kHz Resolution
- Stereo, cardioid, omnidirectional, and bi-directional polar patterns
- Triple-capsule design
- Muting function
- 1/8" Headphone Monitoring Jack

Diaphragm:	14 mm(0.55")
Frequency Response:	20-20,000Hz
Sensitivity:	-45dB±3dB@1KHz
Power Consumption:	5V/150mA
Sample Rate:	48 kHz
Bit Depth:	16 Bit
Plug:	Micro USB
Power Consumption:	5V/150mA
Cable Length:	1m(3.3ft)

### BY-PM700SP

#### USB & Lightning Microphone



- For iphone, ipad, Mac & Windows computer
- 16-Bit/48 kHz resolution
- Cardioid, Stereo, Omnidirectional, Bidirectional
- Master volume control
- Microphone gain control
- Mute fuction
- 3.5mm [1/8"] Headphone Monitoring Jack

Acoustic Principle:	Pre-polarized Condenser
Bit Length:	16 Bit/24 Bit
Sample Rates:	44.1KHz/48KHz
Frequency Response:	20-20,000 Hz
Sensitivity:	-45±3dB (0dB=1V/Pa @ 1KHz)
SN:	80dB
Output Gain:	0-25dB Continuously Adjustable
Connector:	1) Apple Mfi Certified Lightning 2) USB-A
Power Consumption:	5V/150mA
Cable Length:	1m(3.3ft)

### BY-MC2

#### Conference Microphone



Transducer Type:	Condenser
Polar Pattern:	Super-Cardioid
Frequency response:	50Hz-20,000Hz
Sensitivity:	-47dB +/- 1dB / 0dB=1V/Pa, 1kHz
Effective pickup distance:	About 6M (20ft.)
Power supply:	USB (5V)
Size:	117 * 97 * 24mm (4.6" * 3.8" * 0.94 ft.)
Weight:	250g (8.8oz)

### BY-BMW700

#### Wireless Condenser Microphone



- Suitable for Skype & Web Conferencing
- 2.4 GHz Frequency Spectrum
- Cardioid Condenser Microphone
- Compatible with Windows and Mac Computers

Frequency Band:	2.4GHz(2400-2483MHz)
Sensitivity:	-42dB +/- 1dB / 0dB=1V/Pa, 1kHz
Plug:	USB Type-B plug
Power supply:	Transmitter : 2 x AA batteries      Receiver: USB power



# PROFESSIONAL LAVALIER MICROPHONE

Designed to deliver clean, bright, natural sound, reduced ambient room noise and reflections, and free of vocal plosives, BOYA professional clip-on microphones are suitable for budget-conscious productions, speeches and instruments.

## PROFESSIONAL LAVALIER MICROPHONE

### BY-M4C/BY-M40D

Professional Lavalier Microphone



- Designed for Camcorders, Audio recorders etc
- High-quality condenser mic is ideal for video use
- Three-pin XLR Connection
- Rugged Aluminum Construction

Polar pattern:	BY-M4C: Cardioid BY-M40D: Omni-directional
Frequency Range:	35-18KHz +/-3dB
Signal/Noise:	78dB
Max SPL:	120 dB
Sensitivity:	-38dB +/-3dB / 0dB=1V/Pa, 1kHz
Power requirement:	48V Phantom power

### BY-M8C/BY-M80D

Professional Lavalier Microphone



- Electret condenser Mic
- Excellent cost/performance ratio
- Low distortion
- Standard XLR male connector
- Durable brass construction
- Included carrying pouch
- 48V phantom power

Polar pattern:	BY-M8C: Cardioid BY-M80D: Omni-directional
Frequency response:	35Hz-18KHz
Signal/Noise:	80dB
Maximum sound Input level:	120 dB
Reception sensitivity:	-38dB±3dB / 0dB=1V/Pa,1KHz

### BY-F8C/BY-F80D

Professional XLR Lavalier Microphone



- Professional clip-on mic for camcorders, DSLRs, HD camera, audio recorders etc.
- Low distortion and wide frequency range
- For theater, live, and studio use
- Rugged zinc alloy construction
- 48V phantom power or 1xAA battery

Polar pattern:	BY-F8C: Cardioid BY-F80D: Omni-Directional
Frequency Response:	35-18,000Hz
Sensitivity:	-38dB +/- 3dB / 0dB=1V/Pa, 1kHz
Signal to Noise Ratio:	80dB
Plug:	3-pin XLR
Length of the lavalier cable:	2 meters

### BY-M11C / BY-M110D

Professional XLR Lavalier Microphone



- Designed for camcorders, DSLRs, HD camera, audio recorders etc.
- Switchable Low-Frequency Roll-Off
- Wide frequency range
- For live sound and broadcast
- Durable brass construction
- Powered by 1.5V AA battery or phantom power
- Included lapel clip, fur windscreen and carrying pouch

Polar pattern:	BY-M11C: Cardioid BY-M110D: Omni-Directional
Frequency Response:	35-18,000Hz
Sensitivity:	-38dB +/- 3dB / 0dB=1V/Pa, 1kHz
Signal to Noise Ratio:	80dB

# AUDIO ADAPTER

2-channel audio adapter designed to provide a compact solution for recording two signals to any DSLR or camcorder that has a standard mounting shoe and a built-in audio jack.



## AUDIO ADAPTER

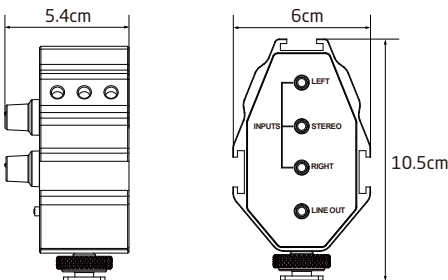
### BY-MP4

Audio Adapter



- Designed for Smartphone, DSLR camera or camcorder
- Mono and Stereo modes
- 3.5mm (1/8") Mono and Stereo inputs
- 3.5mm (1/8") Stereo output
- Dual trim control knobs
- Die-cast aluminum chassis

MIC setting:	-35 dBu minimum
Frequency response:	20 Hz to 20 kHz(+/-0.5 dB)



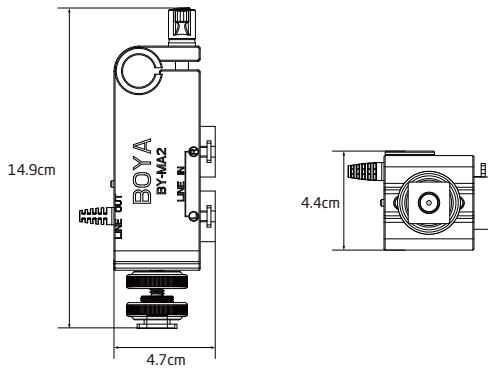
### BY-MA2

Audio Adapter



- Designed for DSLR camera or camcorder
- Adapts 3.5 mm balanced audio inputs to standard XLR
- All Aluminum Construction

Inputs:	XLR (x2)
Outputs:	3.5 mm TRS connector
Frequency Response:	20Hz-20KHz
MIC setting:	-35 dBu minimum





# BOOMPOLE, WINDSHIELD AND SUSPENSION SYSTEM KIT

Used in various environments when capturing audio in applications such as film, broadcast TV, wedding videographers, sound designers, and offers a unique and highly effective wind-noise solution for compact condenser microphones.



## BY-WS1000

### Professional Windshield and Suspension System for Shotgun Microphones

- Eliminates high wind Noise
- Isolates shock and vibration
- Fits most of  $\phi 20$ -22mm Shotgun Microphones
- Integrated microphone cable
- Fur windshield included

Internal spacing:	125mm
Dimensions(L*H*D):	480*134*190mm(MIN)
	480*134*314mm(MAX)



## BY-PB25

### Carbon Fiber Boompole with Internal XLR Cable



- 1m (3.3') to 2.5m (8.2') extension range
- Lightweight carbon fiber construction
- 3 telescoping sections
- Internal coiled cable
- 1/4" threaded stud
- Also includes 3/8" adapter and 5/8" adapter

Minimum Length:	100cm (3.3')
Maximum Length:	250cm (8.2')
Weight:	722g (25.5 oz)
Load Capacity:	3KG

## BY-PB25A / BY-PB30A / BY-PB40A

### Aluminum Boompole



Material:	Aluminum
Sections:	5
BY-PB25A Length:	Min...: 66cm (2.2') Max...: 250cm (8.2')
BY-PB30A Length:	Min...: 78cm (2.6') Max...: 300cm (9.8')
BY-PB40A Length:	Min...: 97cm (3.2') Max...: 400cm (13')



35C-L



- Allow 3.5mm self-powered microphones to be used on iOS devices
- 24 bit/48kHz digital connector
- Improve your video with broadcast-quality sound
- MFi certified Lightning connector
- Includes carrying case

Audio output connector:	Apple MFi Certified lightning Connector
Frequency Response:	20-20000 Hz
Sampling Frequency:	44.1kHz/ 48 kHz
Bitrate:	16Bit /24Bit
Power Requirements:	Supplied by iOS Devices
Weight:	18g
Cable length:	Min. Length: 37cm
	Max. Length: 85cm
Input:	3.5mm[1/8"] Mini Jack

35C-USB C

- Allow 3.5mm self-powered microphones to be used on Android devices with USB Type-C jack
- 24 bit/48kHz digital connector
- Improve your video with broadcast-quality sound
- Includes carrying case

Audio output connector:	USB Type-C Connector
Frequency Response:	20-20000 Hz
Sampling Frequency:	44.1kHz/ 48 kHz
Bitrate:	16Bit /24Bit
Power Requirements:	Supplied by Android devices
Weight:	18g
Cable length:	Min. Length: 37cm
	Max. Length: 85cm
Input:	3.5mm[1/8"] Mini Jack



BY-BCA6

XLR to 3.5mm TRRS Connection



- For iPad, iPhone, iPod touch and other mobile devices
- Connect XLR Microphone to Smartphone
- No batteries required
- 3-Position pad(0,-10dB, -40dB)
- Includes 3.5mm Headphone Output
- Rugged Aluminum Construction

Cable length:	6m(20ft)
Frequency Response:	20Hz-20KHz

BY-BCA7 PRO

XLR to Lightning Connector Microphone Cable

- For iOS, Android, any Mac and Windows Computer
- Connect XLR dynamic microphone and XLR battery powered condenser microphone.
- 3-Position level control (-20dB, 0,-10dB, -40dB)
- Includes 3.5mm Headphone Output
- Rugged Aluminum Construction

Frequency Response:	20Hz-20kHz
Gain:	-20 dBu ,+10dBu , +20dBu
Sampling Frequency:	44.1 kHz / 48 kHz/96K
Bitrate:	16Bit / 24Bit
Connector:	1) Apple MFi certified Lightning
	2) Type-C
	3) USB-A
Cable Length:	6.0m(20ft)



BY-BCA7

XLR to Lightning Connection



- Specially designed for iPad, iPhone, iPod touch
- Apple MFi certified Lightning connector
- Connect XLR Microphone to iOS system
- 3-Position pad(0,-10dB, -40dB)
- Includes 3.5mm Headphone Output
- Rugged Aluminum Construction

Cable length:	6m(20ft)
Frequency Response:	30Hz-20kHz
Sampling Frequency:	44.1 kHz / 48 kHz
Bitrate :	16Bit / 24Bit



## 35C-XLR

3.5mm mini jack input to a male XLR output



- Connector 1: 3.5mm TRS mini jack
- Connector 2: XLR

## XLR-C1 / XLR-C3 / XLR-C5 / XLR-C8

XLR Audio Cable



- XLR-C1 Length: 1m
- XLR-C3 Length: 3m
- XLR-C5 Length: 5m
- XLR-C8 Length: 8m

## 35C-XLR PRO

3.5mm to XLR Adapter with Power Converter



- Converts Phantom Power to Plug-In Power
- Accepts 12-48V Phantom Power

## BY-CIP2

Smartphone Adapter



- Female TRS to male TRRS Adapter
- Cable length: 30cm (12")

## BY-B02

Deadkitten Windscreen



- Fur Windscreen
- Inner size: 68\*75mm

## BY-B03

Deadkitten Windscreen



- Inside Depth: 5.5" (140 mm)
- Inside Diameter: 0.75 - 0.9" (19 - 23 mm)

## BY-B04

Deadkitten Windscreen



- Inside Depth: 9.5" (240 mm)
- Inside Diameter: 0.75 - 0.9" (19 - 23 mm)

## BY-P10

Professional windshield



- Professional Windshield for Handy recorder
- Inside size: 50\*20\*37mm

## BY-P30

Professional windshield



- Professional Windshield for Handy recorder
- Inside size: 73\*38\*59mm

## BY-WS9

Windshield for Zoom, Tascam



- Inside Size: 7.6 X 3.8cm [3" X 1.5" ](W x D)

## BY-T10

Professional windshield



- Professional Windshield for Handy recorder
- Inside size: 50\*20\*37mm

## BY-T30

Professional windshield



- Professional Windshield for Handy recorder
- Inside size: 73\*38\*59mm

## BY-B05

Deadkitten Windscreen



- For BOYA BY-WM8 Pro, BY-WFM12, BY-WM4
- 3pcs per pack



BY-P Series

Professional windshield



BY-P50	Inside Depth: 2" (50 mm)
	Inside Diameter:0.75 - 0.9" (19 - 23 mm)
BY-P80	Inside Depth: 3.14" (80 mm)
BY-P100	Inside Depth: 3.94" (100 mm)
BY-P120	Inside Depth: 4.72" (120 mm)
BY-P140	Inside Depth: 5.5" (140 mm)
BY-P160	Inside Depth: 6.3" (160 mm)
BY-P180	Inside Depth: 7.1" (180 mm)
BY-P220	Inside Depth: 8.7" (220 mm)
BY-P240	Inside Depth: 9.5" (240 mm)
BY-P290	Inside Depth: 11.4" (290 mm)
BY-P320	Inside Depth: 12.6" (320 mm)

BY-T Series

Professional windshield



BY-T50	Inside Depth: 2" (50 mm)
	Inside Diameter:0.75 - 0.9" (19 - 23 mm)
BY-T80	Inside Depth: 3.14" (80 mm)
BY-T100	Inside Depth: 3.94" (100 mm)
BY-T120	Inside Depth: 4.72" (120 mm)
BY-T140	Inside Depth: 5.5" (140 mm)
BY-T160	Inside Depth: 6.3" (160 mm)
BY-T180	Inside Depth: 7.1" (180 mm)
BY-T220	Inside Depth: 8.7" (220 mm)
BY-T240	Inside Depth: 9.5" (240 mm)
BY-T290	Inside Depth: 11.4" (290 mm)
BY-T320	Inside Depth: 12.6" (320 mm)

BY-C03

Shock Mount



- Suitable microphones for diameter with (40mm-48mm)
- 1/4" in thread

BY-C04

Shock Mount



- Fits Most Microphones with a  $\phi$ 0.74 - 0.86" (19mm-22mm)
- 3/8" and 1/4" in thread

BY-C10

Shock Mount



- For most of portable recorder
- Adjusted 1/4" screw at the top
- 3/8" and 1/4" in thread on the bottom

BY-C30

Suspension Shockmount for Shotgun Microphones



- For shotgun microphones between  $\phi$  18 and 20mm
- High quality Nylon construction
- 360° swivel base
- Includes standard shoe mount

BY-C40

Suspension Shockmount for Shotgun Microphones



- For shotgun microphones between  $\phi$  20 and 22mm
- lightweight and durable
- 360° swivel base
- Includes standard shoe mount and 1/4 inch mounting holes