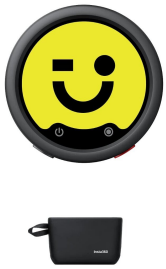
**ComX Computers**
Product Specification Sheet

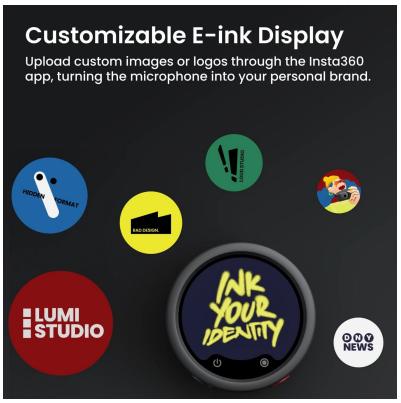
# IN-MC110-BLK

Insta360 Graphite Black Mic Pro Transmitter

## Product Overview

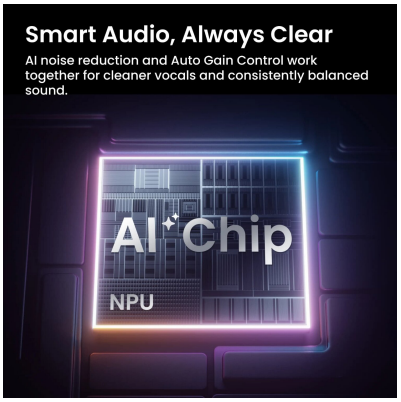
Insta360 Graphite Black Mic Pro Transmitter; 3-microphone array; 32GB storage; 32-bit float internal recording; Bluetooth 5.4; 2.4GHz wireless; up to 400m transmission; 1.22-inch 6-colour E-Ink display; 240mAh battery; up to 10 hours; USB-C; 38 x 38 x 12.2mm; 19.7g

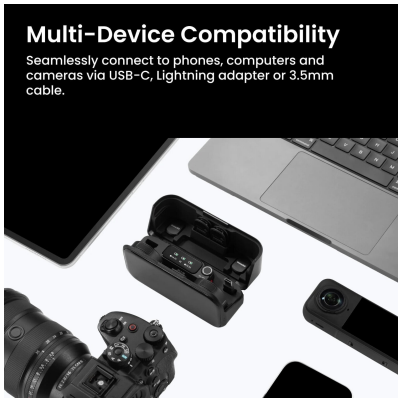










## Specifications

### About this product

The Insta360 Mic Pro Transmitter in Graphite Black is a professional wireless microphone transmitter with a 3-microphone array, selectable pickup modes, AI noise cancellation, auto gain control, 32GB internal storage and 32-bit float internal recording. With Bluetooth 5.4, 2.4GHz wireless transmission and direct pairing with compatible Insta360 cameras, it is designed for vlogging, interviews, live streaming and professional video production. Buy now from our website for a compact wireless audio solution.

### Overview Summary

**Insta360 Mic Pro Transmitter - Graphite Black**

The Insta360 Mic Pro Transmitter is a compact professional wireless microphone transmitter designed for creators who need clear, reliable audio in a small clip-on format. Its 3-microphone array supports omnidirectional, super-directional, cardioid and figure-8 pickup modes, while NPU-powered AI noise cancellation helps reduce unwanted background sound. Auto gain control helps manage changing voice levels, while voice tone presets provide additional control over recorded sound.

The transmitter includes 32GB of onboard storage for internal audio recording and supports 24-bit and 32-bit float recording. Its 1.22-inch 6-colour E-Ink display can show custom information, while Bluetooth 5.4 and 2.4GHz wireless connectivity provide flexible connection options. The transmitter can also pair directly with compatible Insta360 cameras without requiring a receiver.

**Performance tier:**Professional

**Uses:**Vlogging, interviews, video production, live streaming, presentations, social media content, outdoor recording

### Description

The Insta360 Mic Pro Transmitter is a compact wireless microphone designed for creators who need high-quality audio recording without carrying a large recording setup. The Graphite Black transmitter uses a 3-microphone array and supports four selectable pickup modes - omnidirectional, super-directional, cardioid and figure-8 - providing flexibility for different recording situations.

The transmitter features NPU-powered AI noise cancellation to help reduce unwanted background noise and an automatic gain control system to manage changing voice levels. Three voice tone presets - Standard, Rich and Bright - provide additional control over the character of recorded speech.

For recording reliability, the transmitter has 32GB of onboard storage and supports internal recording in 24-bit and 32-bit float formats. Internal recording can continue independently when a wireless connection is interrupted, providing a useful local backup of recorded audio. The transmitter also supports stereo and mono internal recording modes.

A customisable 1.22-inch 6-colour E-Ink display provides a convenient way to identify or personalise the transmitter. The display has a resolution of 240 x 208 pixels and 197 PPI.

Wireless connectivity uses 2.4GHz GFSK technology and Bluetooth 5.4. The transmitter can provide a maximum transmission distance of about 400m when used with a compatible receiver in an open, unobstructed and interference-free environment. It can also pair directly with compatible Insta360 cameras, simplifying the recording setup.

The compact transmitter measures 38mm in diameter and 12.2mm in height, with a weight of approximately 19.7g excluding the clip. Its 240mAh built-in lithium-ion battery provides up to 10 hours of operating time under specified test conditions. A 5-minute fast charge can provide approximately 1.5 hours of use under the manufacturer's test conditions.

The Insta360 Mic Pro Transmitter is suitable for vloggers, content creators, interviewers, presenters, social media creators and professional video teams looking for flexible wireless audio recording in a compact format.

## Features

The Insta360 Mic Pro Transmitter combines professional audio recording features with a compact clip-on design for flexible content creation.

- 3-microphone array: Uses three built-in microphones for versatile audio pickup.
- Four pickup modes: Supports omnidirectional, super-directional, cardioid and figure-8 pickup modes.
- AI noise cancellation: NPU-powered noise cancellation helps reduce unwanted background noise.
- Auto gain control: Automatically adjusts recording levels based on changing voice intensity.
- 32-bit float internal recording: Supports high dynamic range internal audio recording.
- 32GB onboard storage: Provides dedicated internal storage for recorded audio files.
- 24-bit recording: Supports 24-bit internal recording for high-quality audio capture.
- Customisable E-Ink display: Features a 1.22-inch 6-colour E-Ink screen with 240 x 208 pixel resolution.
- Voice tone presets: Provides Standard, Rich and Bright voice tone options.
- Bluetooth 5.4: Provides modern Bluetooth connectivity for compatible devices.
- 2.4GHz wireless transmission: Uses GFSK 1Mbps and 2Mbps wireless modes.
- Direct camera connection: Can connect directly to compatible Insta360 cameras without requiring a receiver.
- Timecode support: Supports timecode functionality for compatible professional recording workflows.
- Internal recording: Can record audio directly to the transmitter's onboard storage.
- Compact design: Measures 38mm in diameter and 12.2mm in height.
- Lightweight construction: Weighs approximately 19.7g excluding the clip.
- Long battery life: Provides up to 10 hours of operating time under specified test conditions.
- Fast charging: A 5-minute charge can provide approximately 1.5 hours of use under specified test conditions.

**Customizable E-Ink Display**
Upload custom images, logos, or graphics directly through the Insta360 app, turning the microphone into your personal brand in a snap.

**3-Mic Array & Directional Pickup Modes**
Insta360 Mic Pro comes with three microphones built in, delivering pro audio quality. Intelligent algorithms enable directional pickup, adapting to any environment.

**AI Noise Canceling**
Powered by an industry-leading NPU chip with breakthrough AI performance. Enjoy crisp, natural, high-fidelity audio with an advanced noise canceling algorithm.

**Insta360 Direct Connect**
No receiver needed. The transmitter directly pairs with Insta360 cameras (Luna Ultra, X5, X4 Air, Insta360 Ace Pro 2, GO Ultra, and more) to record high-fidelity 48 kHz audio.

**2 TX + 4 RX Capability**
One Transmitter pairs with up to four Receivers, delivering perfectly synced audio to four cameras simultaneously, so you can have a quick setup and edit with ease.

**Auto Gain Control**
Automatically adjusts volume levels based on your voice intensity. No manual gain tweaking required, with two modes for different environments.

**32-Bit Float Internal Recording**
The Transmitter has the capability to internally record audio using its onboard memory. 32-Bit Float internal recording captures a wide dynamic range, reducing the risk of clipped audio.

**30-Hour Extended Battery**
Even with so many advanced new features, enjoy up to 30 hours of battery life when using the Transmitter with the included Charging Case.

**Maximize your impact.**
Insta360 Mic Pro features an innovative customizable E-ink display. Upload custom images, logos, or graphics directly through the Insta360 app, turning the microphone into your personal brand in a snap. Express yourself!

**Wear it your way.**
Match the mic to your style, with various mounting methods. Record like a pro, no matter your setup.

**Capture it all.**
Insta360 Mic Pro comes with three microphones built in, delivering pro audio quality. Intelligent algorithms enable directional pickup, adapting to any environment.

**Omnidirectional**
Capture sound in all directions (360 degrees), ideal for vlogging and field recording. Naturally blends your voice with ambient sound, making your audio feel real and alive.

**Voice Focus(Super-directional)**
Uses adaptive beamforming technology to capture a highly foucsed sound in the narrow front of the mic while suppressing surrounding speech noise. Ideal for use in noisy, multi-person environments, such as vlogs and interviews.

**Truly intelligent. Truly natural.**
Powered by an industry-leading NPU chip with breakthrough AI performance. Enjoy crisp, natural, high-fidelity audio with an advanced noise canceling algorithm.

**Figure-8**
Captures even sound from both the front and rear of the microphone. Perfect for 2-way interviews or chats.

**Take audio to a whole new level.**
No Receiver needed. Enjoy direct transmitter-to-camera audio with Insta360 Luna Ultra (supports dual-mic connection), X5, X4 Air, Insta360 Ace Pro 2, and GO Ultra, allowing for high-fidelity 48kHz audio. Insta360 Direct Connect: streamlining the workflow.

**Multi-cam audio, all at once.**
One Transmitter pairs with up to four Receivers, delivering perfectly synced audio to four cameras simultaneously, so you can have a quick setup and edit with ease.

**Multi-person interviews, fully in control.**
One Receiver supports connection with up to four Transmitters at once, capturing four independent audio tracks in sync, making multi-person interviews effortlessly efficient and organized. Customize names or IDs on each transmitter's display to easily identify speakers during live monitoring, and match up internal recordings in post-production.

**Four-Channel Output**
Select Four-Channel Mode and connect to compatible Sony cameras via the Camera Adapter or use with computer recording software. Audio from all four Transmitters is then recorded onto separate tracks, giving more freedom and flexibility in post-production. Perfect for interviews.

**Flexible settings.**
Choose from Mono or Stereo Modes. In Mono, audio from both Transmitters are mixed. In Stereo, audio from the Transmitters are provided as separate tracks, allowing for separate editing in post. Safety Track Mode records a second track at -6dB as a

backup. This prevents audio distortion when your sound source gets loud unexpectedly.

**Never lose a recording.**
Insta360 Mic Pro Transmitter has the capability to internally record audio using its onboard memory, working flawlessly as a backup recorder. Avoid the risk of losing footage due to wireless interference or camera failure.

**Fast file export.**
Connect the Transmitter to your computer or phone via USB-C to quickly export your audio files.

**Sync it all up.**
The Receiver supports timecode input/output, simplifying synchronization with recording devices like cameras and Transmitters, making multi-camera footage alignment effortless in post-production.

**Phone connection**
Connect via the Receiver for a stable, plug-and-play experience ideal for long recordings, or pair the Transmitter directly via Bluetooth [5] for quick setup with third-party recording and streaming apps.

**Camera connection**
Mount the Receiver to your camera's cold shoe, then connect the Receiver's output to the camera's mic input with the included 3.5 mm cable.

**Connect to a PC or Mac**
Simply open your sound settings on your computer and select Insta360 Mic Pro as your input device.

**Create all day long.**
Enjoy up to 30 hours of battery life when using the Transmitter with the included Charging Case (Transmitter offers up to 10 hours, Receiver up to 11 hours).

**5-Minute Fast Charge**
Just a 5-minute charge gives you 1.5 hours of power, with a full charge in only 60 minutes. Stay energized, keep creating!

**Auto on/off via camera**
The Receiver supports automatically powering on and off with the camera, when connected to the camera via the 3.5mm audio cable or Camera Adapter.

**Auto Power-off**
Set the Transmitter and Receiver to automatically power off after a period of inactivity. When this feature is enabled on both devices, they will automatically shut down if not connected for more than 15 minutes, preserving battery life.

**Auto Power-Saving**
The Transmitter can automatically enter Sleep Mode when it doesn't detect a signal from the Receiver. It will then wake up and reconnect to the Receiver once a signal is detected.

**Move freely, capture clearly.**
Incredibly clear and stable wireless audio with a range of up to 400 meters?10 in open, interference-free spaces. No cables, no limits. Stable sound that moves with you, wherever the shot goes.

**Flexible, Scalable Audio**
Auto gain, 32-bit float internal recording, and more-every moment of your recording is protected. Just plug in and go, no learning curve required. Every word you speak deserves to be captured clearly and completely.

**Pro Shotgun-like setup**

Use the Transmitter as a shotgun mic by attaching it to the Receiver. Powered by a 3-mic array and selectable Voice Focus (Super-directional), Cardioid or Figure-8 Mode, enjoy crystal-clear, directional audio.

**ASMR Recording**
Record in stereo directly to the Transmitter and capture audio with directional clarity. Perfect for ambient recording that draws listeners in.

**Fully Customizable**
Your mic, your brand. Customize the E-ink screen to showcase your logo or message, making your mic a true extension of your content.

**Full Focus**
Master complex interview environments with ease. Switch from Voice Focus (Super-directional), Cardioid and Figure-8 modes for solo or dual interviews, every word comes through naturally and professionally.

**Lavalier Mic**
Compact design, ideal for business interviews, livestreams, and more.

**Camera Adapter**
Connects the Receiver directly to a Sony camera's MI hot shoe via camera adapter, enabling 48kHz 24-bit digital audio recording and 4-channel audio recording.

**Audio Backup**
No more clipping or lost audio. 32-bit internal recording keeps every detail safe as a backup, ensuring sound quality from shoot to edit.

**Multi-Cam Ready**
With 2 TX + 4 RX capability, Insta360 Mic Pro delivers perfectly synced dual-person audio to up to four cameras.

**Timecode Sync**
32-bit float recording preserves every detail. Timecode syncs your multi-cam footage. Less editing time, more creative flow.

**Branded Content**
Customize the E-ink screen with your logo for effortless brand visibility in every frame.

**Connects Quick**
No Receiver needed! Quickly pair with Insta360 Luna Ultra, X5, X4 Air, Insta360 Ace Pro 2, and GO Ultra cameras. Skip the setup, hit record, and stay in the zone.

**Reliable Performance**
Even in demanding scenarios like motovlogging*, it captures clear vocals while preserving the rich, immersive texture of engine ASMR.

**Blocks Wind**
Effectively blocks wind noise interference for outdoor conditions. In Directional Mode (excluding Omnidirectional), 3-Mic Array engages for audio pickup. Use with the Large Windshield* to ensure more stable audio capture.

## What's in the Box

- 1 x Insta360 Mic Pro Transmitter
- 1 x Button Magnet
- 1 x Clip

- 1 x Windshield
- 1 x Carry Pouch
- 1 x USB-C Cable
- 1 x QuickStart Guide
- 1 x Safety Guidelines
- 1 x Warranty Card

## Specifications

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| | |
|---|---|
| **Specifications** | |
| **Product Code** | IN-MC110-BLK |
| **General** | |
| **Polar Pattern** | Omnidirectional |
| **Selectable Pickup Modes** | Omnidirectional / Super-directional / Cardioid / Figure-8 |
| **Frequency Response** | Low Cut Off: 20Hz-20kHz Low Cut On: 100Hz-20kHz |
| **Microphone Sensitivity** | Microphone Capsule: -38+/-1 dBV@1kHz, 94dB SPL |
| **Signal-to-Noise Ratio (SNR)** | 72dB (A-weighted) |
| **Maximum Sound Pressure Level (SPL)** | 130 dB SPL@10% THD |
| **Sampling Frequency** | 48kHz |
| **Bit Depth** | 32-bit float/24-bit *32-bit float only applies to Transmitter's internal recordings. |
| **Maximum Input Level (3.5 mm)** | -8dBV |
| **Equivalent Noise** | 22dB (A-weighted) |
| **Monitor Interface Output Power** | Max Output Power: 20 mW@1 kHz, 32 ohm |
| **Max Transmission Range** | 400m *400 meters is measured when the Transmitter is connected to the Receiver in an open, unobstructed, and interference-free environment. When the Transmitter is connected to Insta360 X5 via Bluetooth in an open, unobstructed, and interference-free environment, the transmission range is about 100 meters, which may be affected by device orientation, camera shooting modes, and other factors. |
| **Transmitter** | |
| **Dimensions** | 38 x 12.2mm (DiameterxH) |
| **Weight** | 19.7g (Without Clip) |
| **Display** | 6-Color E-Ink Screen Size: 1.22" Resolution: 240 x 208 PPI: 197 (Pixels Per Inch) |
| **Wireless Mode** | GFSK 1Mbps and 2Mbps |
| **Equivalent Isotropic Radiated Power (EIRP)** | 2.400-2.4835GHz: <= 20dBm (FCC/CE/SRRC/MIC) |
| **Wireless Mode Operating Frequency** | 2.400-2.4835GHz |
| **Bluetooth Protocol** | Bluetooth V5.4 |

| | |
|---|---|
| **Bluetooth Operating Frequency** | 2.400-2.4835GHz |
| **Bluetooth Transmitter Power (EIRP)** | BLE: <= 20 dBm BR/EDR: <= 20 dBm |
| **Battery Type** | Li-ion |
| **Battery Capacity** | 240mAh |
| **Battery Energy** | 0.94Wh |
| **Battery Voltage** | 3.89V |
| **Charging Specification** | Max 5V |
| **Charging Temperature** | 0degreesC to 45degreesC |
| **Operating Temperature** | -10degreesC to 45degreesC |
| **Charging Time** | Fully charged in approximately 1 hour, 80% in about 24 minutes. *Tested in a lab environment with a 5V/3A charger. |
| **5-Minute Fast Charge** | A 5-minute charge gives 1.5 hours of use. *Tested in a lab environment with the Transmitter's battery below 50%, charged with a 5V/3A charger. Noise cancellation and internal recording on Transmitter are off. Close-range recording in an interference-free environment, with the Transmitter connected to the Receiver and the Receiver connected to a camera via a 3.5mm camera audio cable. |
| **Operating Time** | 10 hours *Measured using Insta360 Mic Pro (2 TX + 1 RX), with noise cancellation and internal recording off under interference-free conditions, with both Transmitters connected to the Receiver and Receiver connected to a camera via the 3.5mm camera audio cable. |
| **Onboard Memory** | 32 GB |
| **Internal Recording Available Duration** | 24-bit (Mono Internal Recording): 60 hours 24-bit (Stereo Internal Recording): 29.7 hours 32-bit (Mono Internal Recording): 44.8 hours 32-bit (Stereo Internal Recording): 22.2 hours |
| **Receiver** | |
| **Dimensions** | 55.8x27.7x21mm (2.2x1.1x0.8in) (LxWxH) |
| **Weight** | 29.8g (1.1oz) |
| **Wireless Mode** | GFSK 1Mbps and 2Mbps |
| **Equivalent Isotropic Radiated Power (EIRP)** | 2.400GHz-2.4835GHz: <= 20dBm (FCC/CE/SRRC/MIC) |
| **Operating Frequency** | 2.400GHz-2.4835GHz |
| **Bluetooth Protocol** | Bluetooth V5.4 |
| **Bluetooth Operating Frequency** | 2.400GHz-2.4835GHz |
| **Bluetooth Transmitter Power (EIRP)** | BLE: <= 20 dBm |
| **Battery Type** | Li-ion |
| **Battery Capacity** | 410mAh |
| **Battery Energy** | 1.60Wh |
| **Battery Voltage** | 3.89V |
| **Charging Specification** | Max 5V |
| **Charging Temperature** | 0degreesC to 45degreesC |
| **Operating Temperature** | -10degreesC to 45degreesC |

| | |
|---|---|
| **Charging Time** | Fully charged in approximately 75 minutes, 80% in about 27 minutes. *Tested in a lab environment with a 5V/3A charger. |
| **5-Minute Fast Charge** | A 5-minute charge gives 1.5 hours of use. *Tested in a lab environment with the Receiver's battery below 50%, charged with a 5V/3A charger. Noise cancellation and internal recording on Transmitter are off. Close-range recording in an interference-free environment, with the Transmitter connected to the Receiver and the Receiver connected to a camera via a 3.5mm camera audio cable. |
| **Operating Time** | 11 hours *Measured using Insta360 Mic Pro (2 TX + 1 RX), with noise cancellation and internal recording off under interference-free conditions, with both Transmitters connected to the Receiver and Receiver connected to a camera via the 3.5mm camera audio cable. |
| **Charging Case** | |
| **Dimensions** | 122.00x61.90x42.20 mm (LxWxH) |
| **Weight** | 174g (Charging Case only, without included accessories) |
| **Battery Type** | Li-ion |
| **Battery Capacity** | 2815mAh |
| **Battery Energy** | 10.951Wh |
| **Battery Voltage** | 3.89V |
| **Charging Specification** | Max 5 V |
| **Charging Temperature** | 0degreesC to 45degreesC |
| **Operating Temperature** | -10degreesC to 45degreesC |
| **Operating Time with Charging Case** | 30 hours *Measured using Insta360 Mic Pro (2 TX + 1 RX), with the Charging Case fully charged, noise cancellation and internal recording on the Transmitters are off. Close-range recording in an interference-free environment, with both Transmitters connected to the Receiver and the Receiver connected to a camera via a 3.5mm camera audio cable. |
| **Charging Time** | Approx. 2 hours |
| **Charging Cycles for TX and RX** | When charging two Transmitters and one Receiver simultaneously, a fully charged charging case can fully charge them for approx. 2 times. |

## FAQ

### What is the Insta360 Mic Pro Transmitter?

The Insta360 Mic Pro Transmitter is a compact wireless microphone transmitter designed for high-quality audio recording, content creation, interviews, vlogging and professional video production.

### Does the Insta360 Mic Pro Transmitter record audio internally?

Yes. The transmitter has 32GB of onboard storage and supports internal recording in 24-bit and 32-bit float formats, providing a local audio recording option.

### How much internal recording storage does the Insta360 Mic Pro Transmitter have?

The transmitter has 32GB of onboard storage. Recording capacity depends on the selected recording format and channel configuration.

### Does the Insta360 Mic Pro Transmitter support 32-bit float recording?

Yes. The transmitter supports 32-bit float internal recording, which provides a wide dynamic range for audio captured directly

to the onboard storage.

### How many microphones are built into the Mic Pro Transmitter?

The transmitter has a 3-microphone array designed to provide flexible audio pickup and support multiple selectable pickup modes.

### What pickup patterns does the Mic Pro Transmitter support?

The transmitter supports omnidirectional, super-directional, cardioid and figure-8 pickup modes.

### Does the Insta360 Mic Pro Transmitter have noise cancellation?

Yes. It uses NPU-powered AI noise cancellation to help reduce unwanted background noise during recording.

### Does the Insta360 Mic Pro Transmitter have auto gain?

Yes. Auto gain control automatically manages audio levels according to changes in voice intensity.

### Does the Mic Pro Transmitter connect directly to Insta360 cameras?

Yes. The transmitter can pair directly with compatible Insta360 cameras using Bluetooth, allowing supported cameras to record audio without a separate receiver.

### What wireless technology does the Mic Pro Transmitter use?

The transmitter uses 2.4GHz GFSK wireless technology and Bluetooth 5.4.

### What is the maximum wireless transmission range?

The maximum transmission distance is about 400m when the transmitter is connected to a compatible receiver in an open, unobstructed and interference-free environment.

### How long does the Mic Pro Transmitter battery last?

The transmitter provides up to 10 hours of operating time under the manufacturer's specified test conditions.

### How long does the Mic Pro Transmitter take to charge?

The transmitter can reach a full charge in approximately 1 hour. Using a 5V/3A charger, it can reach approximately 80 percent charge in about 24 minutes.

### Does the Mic Pro Transmitter support fast charging?

Yes. A 5-minute charge can provide approximately 1.5 hours of use under the specified test conditions.

### Is the Insta360 Mic Pro Transmitter waterproof?

No. The official specifications state that the Mic Pro Transmitter does not support waterproofing or dustproofing.

### What devices can the Mic Pro Transmitter be used with?

The transmitter can be used with compatible Insta360 cameras through direct Bluetooth connection and can also operate with the Mic Pro receiver for wireless audio workflows.

### Is the Insta360 Mic Pro Transmitter suitable for vlogging?

Yes. Its compact clip-on design, internal recording, noise cancellation, auto gain and flexible pickup modes make it suitable for

vlogging and other mobile content creation.

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page: https://www.comx.co.za/IN-MC110-BLK-Insta360-Graphite-Black-Mic-Pro-Transmitter-p-340430.php**

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