The requirement to record a clear audio sound-track, in addition to camera images, is becoming more frequent. Since 1996, ClearView has manufactured and developed a unique range of miniature self-contained microphones, delivering outstanding audio quality for difficult applications including interview, custody and covert recording.

**Features: The miniature MPA110 series**
- Omni-directional microphone
- 12 VDC power in & line level out
- In-built pre-amplifier
- Self-contained vandal resistant or wall plate format
- Small vandal resistant unit measuring only 38W x 25H x 72L mm

**Benefits:**
The omni-directional microphone picks up sound from all directions to provide a comprehensive and highly versatile audio pick-up.

The vandal resistant unit is smaller than many stand-alone microphones meaning it can be effectively wall, ceiling or desk mounted. A body-worn version is also available.

Additionally the line level output offers the additional benefit of a robust audio signal, unlikely to be affected by radio signals or interference. Since the unit is powered by 12VDC, it may also be battery driven.
Applications:
The need to record crystal clear sound, in addition to camera images, is a necessity for applications like:
- Police interview rooms and custody suites
- School classroom recording
- Reception desks
- Railway stations
- Bank and post office counter recording

The MPA110 series of microphones includes a unique in-built amplifier for connection directly to a digital video recorder (DVR) or audio recorder.

Microphone technical specifications:
Typical maximum range: 25 metres
Polar pattern: Hemispherical (semi – omnidirectional)
Frequency response: 20Hz to 20,000Hz + 0dB-0.5dB
Equivalent input noise: -131.3dB 150R (30Hz to 15kzh)
Distortion: <0.009% at 1Khz
Common mode rejection: -100dB at 10khz (max gain)
Maximum output level: +26dBu
Input impedance: >3k ohms balanced
Output impedance (nominal): 4,400 ohm
Casing: Aluminium die-cast to BS1490 or MK wall plate

Pin connections
Audio level adjust
Audio output, signal
12 VDC input
0V input

For more information on our state-of-the-art miniature microphone systems, please call now on 01245 214 104 or email info@clearview-communications.com