



Uniclass
L7612
Sept 2009

Miniature self-contained Microphone & Amplifier

MPA 110

Features and Benefits

High Performance
Microphone

Line level output

Vandal-resistant & wall
plate options

12vdc powered

Immune from interference

The requirement to record a clear audio sound-track, in addition to camera images, is becoming more frequent. Previously several separate components were needed to achieve this.

ClearView Communications have developed the miniature MPA110 system which houses an omni-directional microphone, phantom power supply, pre-amplifier and line amplifier in a self-contained vandal resistant or wall plate format. The vandal resistant unit is smaller than many stand-alone microphones measuring only 38W X 25H X 72L mm.

It is intended for wall, ceiling or desk mounting. A body-worn version is also available. Audio output from the microphone is at line level. It may therefore be fed directly to a Digital Video Recorder (DVR). 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 powered.

The microphone amplifier is an ultra low noise module. A preset control gives gain control from 35dB to 75dB.

Applications include police interview rooms and custody suites, school classroom recording, reception desk and bank counter recording.

Vandal Resistant



Wall Plate



SELF-CONTAINED MICROPHONE & AMPLIFIER MPA110

Technical specifications

Typical 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 15kHz)

Distortion: <0.009% at 1KHz

Common mode rejection: -100dB at 10kHz (max gain)

Maximum output level: +26dBu

Input impedance: >3k ohms balanced

Output impedance: 600 ohm

Casing: Aluminium die-cast to BS1490 or MK wall plate

Pin connections

Audio XLR socket:

Pin 1: Screen 0v

Pin 2: Audio output

Pin 3: +12vDC

PCB connector

Pin 1: Audio output

Pin 2: +12 vDC

Pin 3: Screen OV