



Model : K60006

The DNP Laser MIC is a professional piece of equipment allowing the operator to carry out undetected surveillance from outside a building. Thanks to its unparalleled features, the Laser MIC is able to pick up room audio from a distance without even entering the target room: by demodulating the transmitter IR laser beam bouncing from the target window, this equipment can receive and subsequently convert into electronic signals the slight window pane vibrations caused by acoustic waves in the room (voice speech). Laser beam bouncing off the target window is then converted into electronic signals, then filtered, amplified and fed into a dedicated recording unit connected to its own amplifier with speaker/headphones: real-time audio monitoring and recording are possible at the very same time. The whole system operates according to the Snell's law, which requires sharp alignment and correct aiming of both the transmitted and received laser beams: to simplify both set up and alignment procedures as well as ordinary operation of the system, we have provided the DNP Laser MIC with sturdy tripods and a special search tone device which proves to be outstandingly owing to the fact that emitted laser beam is totally invisible to the naked eye. Specification Laser Transmitter (TX): • Laser type: semi-conductor laser
Animated wave length: 770-840 nm • Output power: 25mW automatically controlled • Power supply: 8 x 1.5 V AA-type battery • Current consumption: approx. 75mA • Beam focusing: 135mm • Target Finder: through lens • Connections & mounting: power supply and tripod • Operating time: approx. 40 hours continuous • Other features: switchable modulation for search tone
Laser Receiver (RX): • Receiving unit: Noiseless PIN-Diode • Wave length: Infra-Red • Power supply: 12V, 8x UM2 (baby-cell type battery) • Current consumption: 50 – 300mA • Lens: 500 mm
Amplifier unit: connected by cable with Laser Receiver (RX) • Connections: Headphones, Recorder, Speaker • Voice filter: Equalizer, adjustable • Operating time of the amplifier with Laser Rec: 40-60 hours (depends on adjusted settings) • Transport Case: 470 x 380 x 220 mm
How it works
To detect sound within a room (having an outside window) at a distance. The principle being that sound vibrations will cause the window glass to move sufficient to deflect the LASER beam across the receiving photo detector. There are several methods that might accomplish this, with some fidelity; however this page will describe the use of a LASER Microphone. The use of a LASER to transducer sound from a window pane/glass is commonly used in movies which leave the mistaken impression that any such task is easy and the LASER Microphone, itself, is highly portable and easily set up. Our recent experience is just the opposite. ** More information see download page **

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Goverment Products > DNP Long Range Laser Microphone

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