

## LASER MONITORING SYSTEM (3074)



This system is operated by transmitting an invisible infrared beam to the window of the target room. A secret surveillance is necessary. However, the operator is not able to enter the target room in order to place a transmitter microphone. This system allows the operator, to carry out an undetected surveillance operation from outside the building

The system operates by transmitting an invisible infra-red beam to the window of the target room. The window pane vibrates slightly, due to sound waves emanating from speech.

The beam is reflected from the window pane according to the law of optics, i.e. the angle of incidence is equal to the angle of reflection. The reflected beam, modulated by the window pane vibrations, is picked up by the receiver and converted into electronic signals, which it filters, amplifies and feeds into a recording unit.

The recording unit is connected to an amplifier with speaker or headset. Both, the transmitter and the receiver are built into. Standard single lens reflex cameras, allow for perfect concealments.

The complete set will be supplied in a camera case with built in recorder, two tripods and 1 micrometer platform with adjustable Y/X axis and searchtone-detector.

The Laser Monitoring System 3074 consists the following parts:

- 2 pcs. Tripods –
- 1 pcs. micrometer platform with - adjustable x/y axis
- Laser Receiver (RX) –
- Camera housing
- Wire-trigger
- Tele- lens 500 mm
- Recording unit & amplifier
- inside a case
- Wireless headphones
- Cable between receiver and case
- - Search tone -hand receiver
- Laser Transmitter (TX)
- Camera housing
- Wire-trigger
- Tele-lens 135 mm
- Power supply for transmitter (TX)
- Cable power supply –TX

**Laser Transmitter (TX)** Laser Type

Animated wave length

Output power

Power Supply

Current consumption

Beam focusing

Target finder

Connections &amp; mounting

Operating time

Other features

: Semi-conductor laser

: 770 - 840 nm

: 25 mW, automatically controlled

: 8 x 1,5 V AA-type battery ( Mignon cells )

: approx. 75 mA

: 135 mm

: through lens

: power supply and tripod

: approx. 40 hours continuous

: switchable modulation for search tone

**Receiving unit**

Wave length

Power Supply

Current consumption

Lens

Amplifier unit

Connections

Voice filter

Operating time of the amplifier with Laser Rec.

Transport Case

Weight

: noiseless PIN-Diode

: Infra-red

: 12 V, 8 x UM 2 (babycell-type battery)

: 50 - 300 mA

: 500 mm

: connected by cable with Laser Receiver (RX)

: Headphones, Recorder, Speaker

: Equalizer, adjustable

: 40 - 60 hours (depends on adjusted settings)

: 470 x 380 x 220 mm

: 10 Kg



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