

AXIS T83 Microphones

High-performance all-around microphones.



- > Professional audio surveillance
- > Outstanding dynamic range and low noise
- > Omnidirectional
- > Discreet and compact microphones

Compact and discreet microphones with high-performance in all scenarios. Axis new series of microphones offer great detail and resolution; the capsule has a neutral sonic character and is very natural sounding. They are suitable for both large and restricted areas.

The microphones are omnidirectional condenser microphones and therefore do not need to be aimed directly at the sound source. The discreet microphones are very reliable even in demanding environments. They are capable of handling sound pressures of up to 138 dB (max SPL), have a sensitivity of -44 dB (relative: 1 V/Pa) and have a high Signal to Noise Ratio of 68 dB (relative: 1 kHz @ 1 Pa, 94 dB SPL). An outstanding dynamic range of 97 dB allows for recording of complex scenarios.

AXIS T8353A has a 3.5 mm adaptor, compatible with Axis M-, P- and Q-line network video products supporting a 3.5 mm jack for microphone input.

AXIS T8353B Microphone Phantom Power is an omnidirectional microphone with an XLR contact and a pigtail adaptor. Phantom power voltages of 12-48 V DC is supported. It is compatible with phantom power devices, such as AXIS P8221 Network I/O Audio Module.

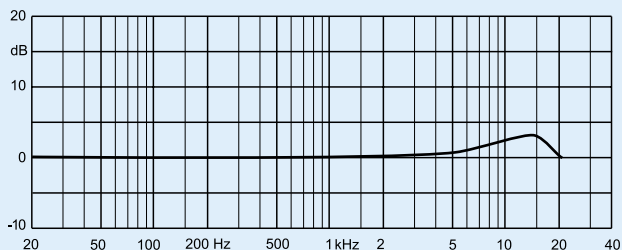
Technical specifications – T83 Microphones

Microphones	
Models	AXIS T8353A Microphone 3.5 mm AXIS T8353B Microphone Phantom Power
Audio	
Supported cameras	AXIS T8353A: All Axis M-, P- and Q-line network video products supporting a 3.5 mm jack for microphone input AXIS T8353B: AXIS P8221 Network I/O Audio Module
Frequency range	+/- 2 dB 20-20 kHz (except for selectable high frequency boost (see graph 1))
Sensitivity	-44 dB (relative: 1 V/Pa)
Max. SPL, peak before clipping	138 dB
SNR	68 dB A-weighted (relative: 1 kHz @ 1 Pa, 94 dB SPL)
Power	
Power requirement	AXIS T8353A: 3-5 V DC* AXIS T8353B: 12-48 V DC* *Power is provided by the Axis network video product
Connectors	AXIS T8353A: 3.5 mm phono plug AXIS T8353B: XLR male and pigtail
Polarity	Omnidirectional (see graph 2)

General	
Casing	Color: White
Compliance	RoHS, REACH
Environment	Indoor
Operating conditions	-25 °C to 45 °C (-13 °F to 113 °F) Humidity up to 90% RH (non-condensing)
Storage conditions	-25 °C to 70 °C (-13 °F to 158 °F) Humidity up to 90% RH (non-condensing)
Dimensions (L x Ø)	Microphone: 5.4 mm x 12.7 mm (0.2" x 0.5") Cable: 1.6 mm x 1.8 mm (0.06" x 70.9") 3.5 mm phono plug: 35.4 mm x 7.9 mm (1.4" x 0.3") XLR adaptor: 20.4 mm x 70 mm (0.8" x 2.8")
Weight	AXIS T8353A: 14 g (0.5 oz.) AXIS T8353B: 80 g (2.8 oz.)
Included accessories	AXIS T8353A: 3.5 mm phono plug AXIS T8353B: XLR adaptor

More information is available at www.axis.com

Graph 1: Frequency range. On-axis frequency response of AXIS T83 Microphones



Graph 2: Directional Characteristics of AXIS T83 Microphones (normalized)

