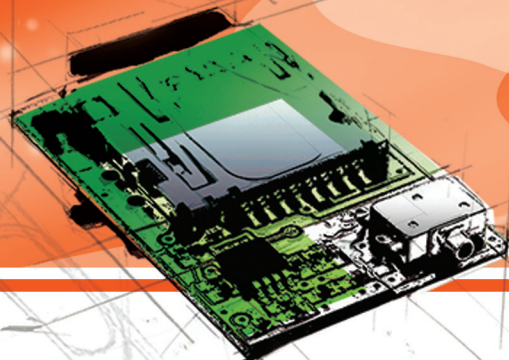




# KABUTO



## A LINE OF ULTRA-SMALL LOW POWER VOICE RECORDERS FROM GEDION

Kabuto voice recorder line includes 3 models: Ultrasmall, Ultrathin and Extra. All of the models share the same features of tiny size, high quality sound recording and low power consumption, which make them a perfect choice for covert audio surveillance.

The Ultras are basically the same model with different component layouts. The sound is captured with 10 bit resolution at sampling frequencies from 5 to 48 kHz and saved to microSD card (up to 32 GB) uncompressed or with 4bit ADPCM compression.

Kabuto Extra has marginally bigger footprint and power consumption but features **professional audio codec with 16 bit ADC** for super high quality sound recording, battery charging circuit and programmable button.

All Kabuto voice recorders support Voice Activation System for battery and memory saving and optionally can be implemented with RTC for time scheduled recording.

### SPECIFICATIONS:

	Kabuto Ultrasmall	Kabuto Ultrathin	Kabuto Extra
Voice digitization	10bit or 8bit	10bit or 8bit	16bit or 8bit
Sampling frequencies	5kHz – 48kHz	5kHz – 48kHz	5kHz – 24kHz
Compression	4bit ADPCM	4bit ADPCM	4bit ADPCM
Voice recording format	WAV	WAV	WAV
File System	FAT32	FAT32	FAT32
Memory	microSD/SDHC (32GB max)	microSD/SDHC (32GB max)	microSD/SDHC (32GB max)
Power supply	2.9-4.3 V	2.9-4.3 V	2.9-4.3 V
Power consumption depending on sample frequency:			
• VAS standby	• 2-2.5 mA	• 2-2.5 mA	• 2-2.5 mA
• 8 kHz	• 5.5-7.5 mA	• 5.5-7.5 mA	• 8.5-11 mA
• 16 kHz	• 7.7-9.8 mA	• 7.7-9.8 mA	• 13-16 mA
• 24 kHz	• 9.7 -12.7 mA	• 9.7 -12.7 mA	• 18-22 mA
• 48 kHz	• 17.5-21.5 mA	• 17.5-21.5 mA	
Dimensions (mm):	22 x 15 x 4	35 x 15 x 2.5	32 x 22 x 6