

# KameSan™

## Tools for Location Sound and Post Production



- *30 years of innovation for the broadcasting and film markets*
- *Over 90% market share in Japan*
- *Light, compact designs with an attention to detail*
- *Unrivalled audio performance and trusted reliability*

Distributed in the United States by **TASCAM**.



# KameSan™

## Audio As It Happens

Kamesan has been one of the leading manufacturers of location sound mixers in Japan for over thirty years, claiming over 90% of the Japanese market.

The challenge for Kamesan was to create mixers that were light and compact, yet delivered studio performance on location.

Working with sound recordists around the world and NHK television in Japan, Kamesan has refined their line of mixers, processors and

accessories, resulting in an unrivaled reputation for location recording products.

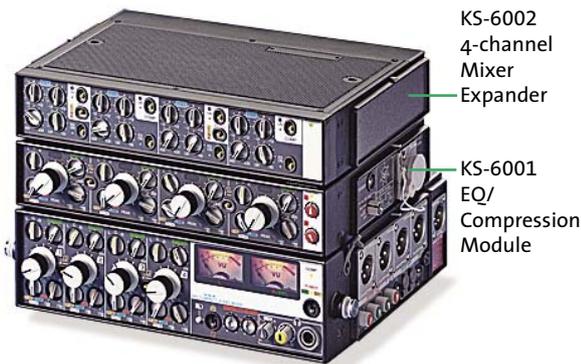
Today Kamesan has a complete line of location mixers and production products for the broadcast and film recording markets. Kamesan's products have been tested in every application from daily news gathering to the 1996 Winter Olympic Games.

And now, through a new distribution partnership with TASCAM, Kamesan products are available in the USA.

## KameSan™ KS-342

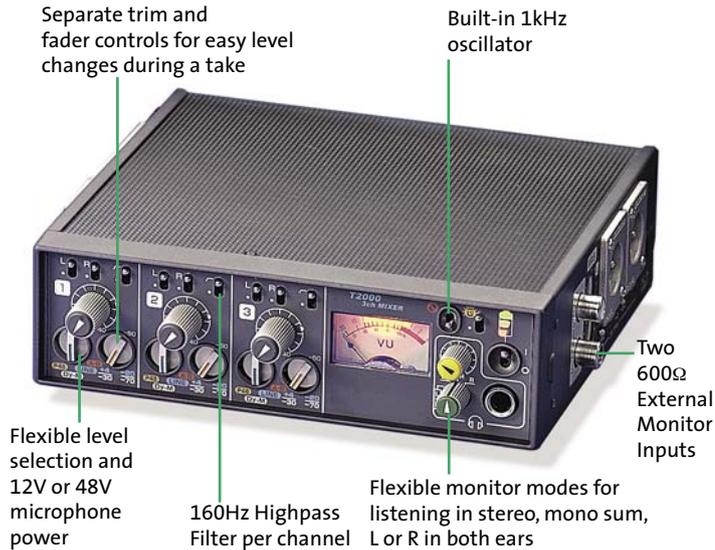
The KS-342 is a feature-rich 4-channel mixer for film and location video recording with an expandable design that enables you to grow your mixer to fit your application.

It offers flexible output and monitor structures like 4-ch direct output capability while monitoring in stereo, multiple headphone outputs and an aux input that can cascade external sources or offer the ability to monitor the return from a camera or external recorder. No-compromise design includes 12/48V phantom power, LCF, internal oscillator and built-in compression. The KS-342 even has a 96kHz-capable AES/EBU output.



The KS-342's unique "piggy-back" plug-in module expands the capabilities of the mixer. Available modules add EQ, compression and even more channels of mixing to the KS-342. Each of these modules get their power from the KS-342, so no additional power is required. An all-weather pocketed case is also available.

## KameSan™ KS-T2000

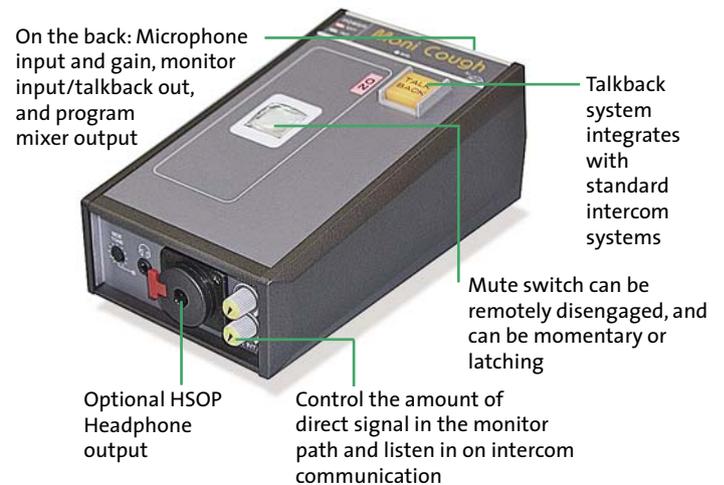


The KS-T2000 offers the high standards of its bigger brother in a more compact, budget-conscious mixer. This 3-channel location mixer is ideal for news gathering, DV video production and more.

The lightweight KS-T2000 operates for six hours on four AA batteries. It also includes 12/48V phantom power and LCF. A multi-level stereo output, oscillator and switchable headphone monitoring with EE input provide a wide selection of bussing and monitoring options. An optional soft case provides storage and all-weather access to controls and connectors.

## KameSan™ Moni-Cough

Kamesan's KS-4320 Moni-Cough is a standalone microphone preamplifier and monitor system for commentary applications. When the button is pressed, the mute is naturally ramped off for smooth background noise changes. A talk-back function is provided, with direct connection to popular intercom systems. The internal microphone preamplifier has 48V phantom power, and the flexible headphone monitoring system makes this a unique tool for broadcast. Also available as the KS-4320HS with HSOP headset output.



## KameSan™ Lip Checker

The KS-1017 Lip Checker is a unique product which tracks signal time differences in broadcast and post production. The Lip Checker accepts both video and audio signals, comparing an audio source with a video burst or another audio source. It then displays the time difference and signal strength so problems can be fixed before the program leaves the studio. A standalone sound and light burst source – the KS-1018 Video Kachinko – is also available for use in remote locations.



# KameSan Specifications



		<b>KS-342 4-channel Stereo Mixer</b>	<b>KS-T2000 3-channel Stereo Mixer</b>
INPUT	Input Level/Impedence (Mic)	-70 ~ -30dBm (Cont. Var/Balanced)/3kΩ x 4	-70 ~ -30dBm (Cont. Var/Balanced)/3kΩ x 3
	(Line)	-20 ~ +4dBm (Cont. Var/Balanced)/600Ω x 4	-20 ~ +4dBm (Cont. Var/Balanced)/600Ω x 3
	(Aux)	-20 ~ +4dBs (Cont. Var/Balanced)/10kΩ x 2	
	(External Monitor)		0dBs/600Ω x 2
	Headroom	Better than 34dB (Pre-fader input)	Better than 30dB (Pre-fader input)
OUTPUT	Output Level (Main L/R Selectable)	+4/0/-20/-60dBm (600Ω Load, Transformer)	+4/0/-20/-60dBm (600Ω Load, Transformer)
	(Sub L/R Selectable)	-20/-60dBm (600Ω Load, Transformer)	
	(Unbalanced Output)	-60dBs (>10kΩ at full load impedance)	-60dBs (load impedance 600Ω - 10kΩ)
	(Monitor)	0dBs/50Ω (maximum load, 8Ω, stereo)	-10dBs/50Ω (maximum load, 8Ω, stereo)
	Maximum Output (Main)	+28dBm (600Ω Load [+4 selected] at 12V)	+23dBm (600Ω Load [+4 selected] at 6V)
	(Sub L/R)	+20dBm (600Ω Load [+4 selected] at 8V)	
	(Monitor)	+8dBm (600Ω Load [-20 selected] at 12V)	
	Digital Output (AES/EBU stereo)	+6dBs (50Ω Load at 12V)	+5dBs (50Ω Load at 6V)
		Selectable 44.1/48/96kHz (20-bit A/D)	
AUDIO	Frequency Response	30Hz~40kHz ± 1.0dB (Main and Sub Out)	50Hz~15kHz ± 0.5dB
	Noise Level (Mic -70)	< -55dB (22kHz LPF/RMS)	< -55dB (30kHz LPF/RMS)
	(Line +4)	< -70dB (22kHz LPF/RMS)	< -69dB (30kHz LPF/RMS)
	(Monitor)	< -65dB (22kHz LPF/RMS)	< -65dB (30kHz LPF/RMS)
	Distortion (T.H.D.)	< 0.1% (at +4dBm output 50Hz~15kHz)	< 0.1% (at +4dBm output 50Hz~15kHz)
OTHER	Phantom Power (Microphone Input)	P-48V (10mA max) A-B12V (30mA max)	P-48V (10mA max) A-B12V (30mA max)
	Low Cut Filter (Input Channel)	20 to 200Hz (Cont. Var/12dB/octave)	160Hz (12dB/octave)
	Oscillator (Main Output)	1kHz (±10%)	1kHz (±5%)
	Compressor (Main Output)	Threshold Level +3/+6/+9/+12dB	
		Attack 2mS, Release 300mS, Ratio 2:1	
POWER	Internal Battery	'AA' (LR6) x 8 (BP-3/8 Battery Case Included)	'AA' (LR6) x 4 (Battery Case Included)
	External Power Unit +10V ~ +16V	NP-1 NiCd Battery (optional Kamesan BH-1 case)	NP-1 NiCd Battery (optional Kamesan BH-1 case)
	Operating Time (Continuous)	160mA (nom.), 240mA (digital on), 500mA(max)	150mA (nom.), 500mA (max)
		More than 4 hours (Manganese batteries)	More than 8 hours (Alkaline batteries)
		More than 8 hours (Alkaline batteries)	More than 8 hours (Alkaline batteries)
		More than 12 hours (NP-1 NiCd)	
PHYSICAL	Dimensions (Excluding protrusions)	8.46" (W) x 6.99" (D) x 2.64" (H)	6.26" (W) x 5.67" (D) x 1.85" (H)
	Weight	215mm (W) x 170mm (H) x 60mm (H)	156mm (W) x 144mm (D) x 47mm (H)
		Approx. 4.4 lbs. (2.0kg.), No case or batteries	Approx. 2.2 lbs. (1.0kg.), No case or batteries
		Approx. 5.3 lbs. (2.4kg.), With case and batteries	

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