	WX-9016	WX-9032	WX-9064	WX-9096	WX-9128
Size (W x H x D) [mm]	348 x 123 x 220	348 x 164 x 220	348 x 246 x 220	348 x 328 x 220	368 x 469 x 318
Weight [kg]	5.7	8.3	13.4	18.5	26.4
Power consumption [W]	50	83	149	215	281

*Side frames are included with 112ch and 128ch models.

Main specifications

Product configuration	Main unit	WX-9000
	Expansion unit	AU-WX9000EPIO
Power supply		AC 100V～240V
		(when using AC adapter)
		DC 8V～36V
Input	Number of Channels	Max. 128ch
	Connector	BNC
	Signal type	Voltage (AC/DC)
		IEPE (TEDS supported)
	Range	0.1 / 0.2 / 0.5 / 1 / 2 / 5 /
		10 / 20 / 50V
	Quantization bit depth	24bit / 16bit
	Isolation between channels	Isolated every 2ch
	MIC set	FLAT / A / C
	HPF	10Hz / 20Hz
	Dynamic Range	137dB (FFT-based)
	Max. Recording Rate	32.768MB/s
		16bit : 256kHz×64ch
		24bit : 256kHz×32ch
Output	Range	±5V
	Connector	BNC
Synchronized Operation	WX-9000 Synchronization	Up to 2 units (max. 256ch)

GPS Input	Number of Input Channels	1
	Connector	DX10A-20S（50）
	Supported GPS receiver	TZ-GR8015R
Voice memo	Sampling frequency	8kHz
	Quantization bit depth	8bit
	File format	WAV
Operating conditions	Operating temperature/humidity	0-40℃/10-80% (no condensation)
	Storage temperature/humidity	-20 to 60℃/5 to 90% (non-condensing)
	Operating air pressure range	860 ～1060hPa
	Vibration resistance	MIL-STD-810H Figure 514.8C-2
Communication Interface	Ethernet	Gigabit Ethernet
		2.4GHz / 5GHz
Recording Media		2.5-inch SATA SSD

Included accessories

AC adapter*1, SSD cartridge*2, Quick start guide, Earphone, Microphone,

NOTE: The English Instructions for Use can be downloaded from <https://datarecorder.jp/en/>, and for WX9K Navi Software please contact via the website.

Options

Cable connection adapter, Connection cable between units, SD card cartridge, Side frame, Remote control, GPS receiver

*1. The number of AC adapters included varies depending on the number of channels configured.
*2. SSD is not included. Please prepare by yourself.

The photo shows the 16ch model.

TEAC AMERICA, INC.

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California 90670, U.S.A.
Phone:+1-323-726-0303
Fax:+1-323-727-7656
URL: https://loadcell.jp/en/
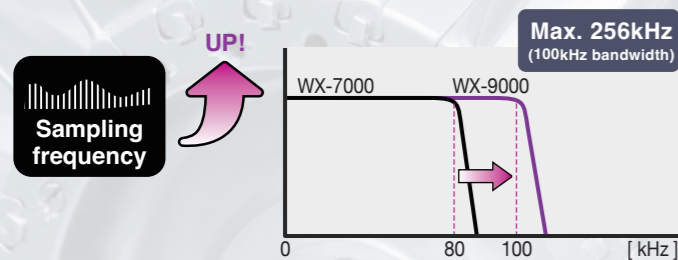E-mail: datarecorder@teac.com

Other company names and product names in this document are the trademarks or registered trademarks of their respective owners.
Features and specifications are subject to change without notice.
Do not install in places with a lot of water, moisture, steam, oily smoke, etc. Doing so may cause fire, electric shock, or malfunction.
Precaution : To ensure saf e handling and op eration, read the Instruction Manual before use.

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TEAC
WX-9000

Successor to the WX-7000 series

Enhancement and Evolution
To the highest, pinnacle level of data recorders

Standalone　Distributed placement　Channel-to-channel isolation supported
Improved convenience of adding channels
High sampling x Recording rate improvement

16ch model

Supports up to 128 channels with additional expansion units.

Features and specifications are subject to change without notice.

Inheriting the performance of WX-7000,
with further enhanced and improved functions and convenience

Further, wideband

Sampling frequency UP!

Max. 256kHz (100kHz bandwidth)

WX-7000   WX-9000

0   80   100   [kHz]

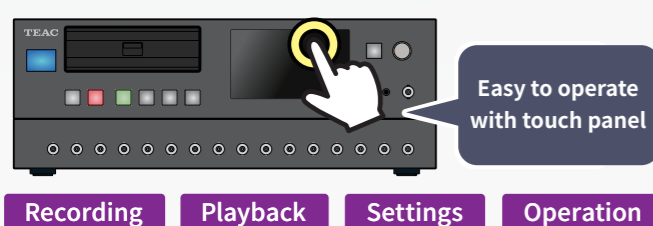With a higher sampling rate than the existing 80kHz, signals up to the DC100kHz band can now be recorded.

Improved number of recording channels

Max. number of recording channels UP!

Max.recording rate : 32.768MB/s

The improved recording rate significantly increases the maximum number of recording channels.

Standalone

Easy to operate with touch panel

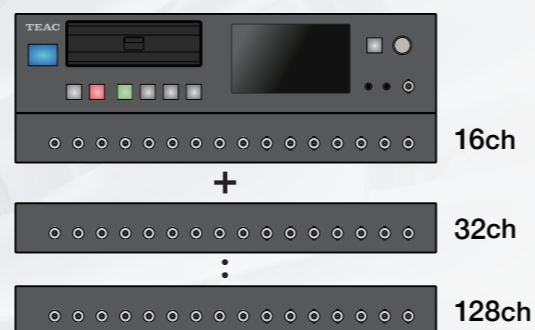**Recording**   **Playback**   **Settings**   **Operation**

Settings and operations can be performed using the main unit's touch panel or jog dial. Recorded waveforms can also be displayed on the touch panel. Everything can be done in one unit.

Adoption of SATA SSD

The recording media used is a readily available and inexpensive 2.5-inch SATA SSD (up to 4TB), which also ensures vibration resistance.
A dedicated cartridge is used, and the cartridge can be used as is as removable media.
*SSD is not included.

The operation after power-on can be set

The operation after power is turned on (STOP/REC STANDBY/REC) can be set. It is now possible to resume recording when power is restored after an unexpected power interruption.

Power → Recording → **Power outage** → **Recovery**

Stop recording — STOP
Standby recording — REC STANDBY
Continue recording — REC

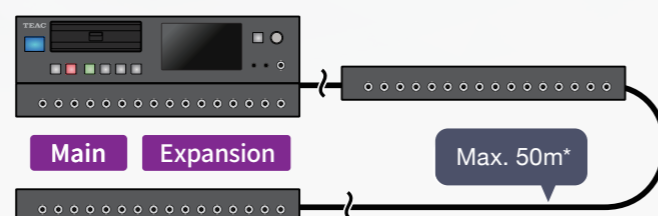## Improved convenience for adding channels

16ch
+
32ch
:
128ch

The number of channels can be increased by 16, up to a maximum of 128.

Channel-to-channel isolation

Isolating every 2 channels makes it less susceptible to noise and interference from other channels.

Distributed placement

Main   **Expansion**   Max. 50m*

The main unit and expansion unit, and between expansion units (single recording), can be extended up to 50m with a cable connection, allowing for distributed placement.

*Cable adapters are optional.
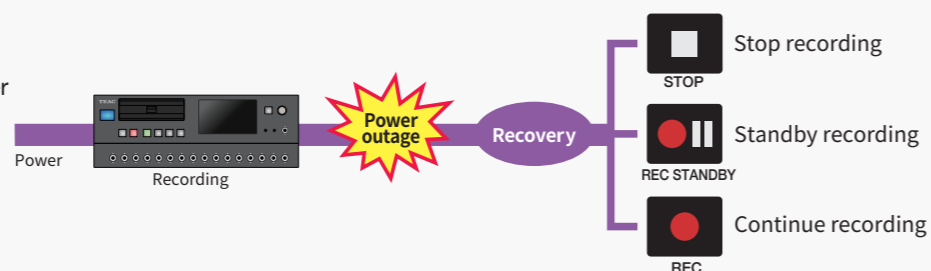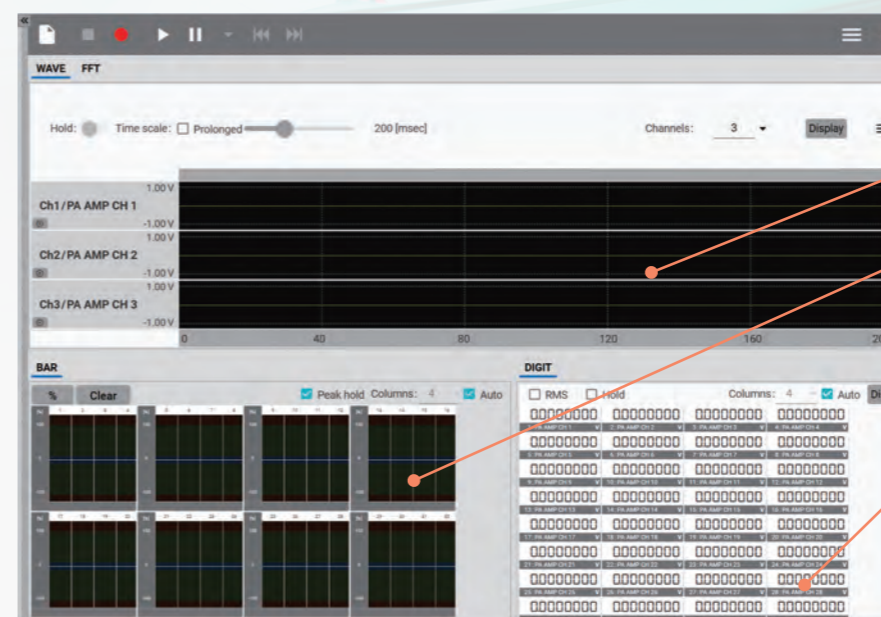*Sampling may be subject to restrictions.

Cable-free with stack connection

Stack connection

The main unit and expansion I/O unit(s) can be connected simply by stacking them together, eliminating the need for cumbersome wiring between devices.

PC control software that has been completely redesigned from the existing Navi software and is now easier to use   WX9KNavi

Waveform display
Bar meter display
Digital display

The software for configuring the main unit, setting measurement conditions, displaying recorded data, etc. from a PC.

- **Various settings** (basic settings, GPS, time, trigger, monitor output, etc.)
- **Sensor settings for each channel** (TEDS or actual input)
- **Real-time monitor**
- **Checking data after recording**
- **Data processing and analysis by PC**

System requirements

OS	Microsoft Windows 10 (64-bit version), Windows 11
CPU	Intel® Core™ i5 3.0GHz or higher, 4 Cores or higher
Memory	8GB or more
Storage (HDD/SSD)	1GB or more free space

Sampling frequencies and bands

Series 1	Corresponds to DAT/audio sampling frequencies	Series 2	Corresponds to integer frequencies
Series 3	Frequency axis during 2N FFT analysis : integrated in resolution	Series 4	Frequency axis during 2N FFT analysis : integrated in resolution

Series 1		Series 2		Series 3		Series 4	
Fs (kHz)	Band (kHz)	Fs (kHz)	Band (kHz)	Fs (kHz)	Band (kHz)	Fs (kHz)	Band (kHz)
-	-	-	-	256.00	100.00	-	-
192.00	80.00	200.00	80.00	204.80	80.00	131.072	51.20
96.00	40.00	100.00	40.00	102.40	40.00	65.536	25.60
48.00	20.00	50.00	20.00	51.20	20.00	32.768	12.80
24.00	10.00	20.00	8.00	25.60	10.00	16.384	6.40
12.00	5.00	10.00	4.00	12.80	5.00	8.192	3.20
6.00	2.50	5.00	2.00	5.12	2.00	4.096	1.60
3.00	1.25	2.00	0.80	2.56	1.00	2.048	0.80
1.50	0.63	1.00	0.40	1.28	0.50	1.024	0.40

Number of channels that can be recorded simultaneously

Fs (kHz)				Number of channels that can be recorded analog			
				Stack connection, cable 10m or less		Cable 11m or more	
Series 1	Series 2	Series 3	Series 4	24bit	16 bit	24bit	16 bit
-	-	256.00	-	32ch	64ch	-	-
192.00	200.00	204.80	131.072	32ch	80ch	-	8ch
96.00	100.00	102.40	65.536	80ch	128ch	8ch	16ch
48.00	50.00	51.20	32.768	128ch	128ch	16ch	32ch
24.00	20.00	25.60	16.384	128ch	128ch	32ch	64ch
12.00	10.00	12.80	8.192	128ch	128ch	64ch	128ch
6.00	5.00	5.12	4.096	128ch	128ch	128ch	128ch
3.00	2.00	2.56	2.048	128ch	128ch	128ch	128ch
1.50	1.00	1.28	1.024	128ch	128ch	128ch	128ch

Approximate total recording times (4TB SSD / 24-bit recording / no voice memos)

Fs (kHz)	Band (kHz)	16ch	32ch	48ch	64ch	80ch	96ch	112ch	128ch
256.00	100.00	67:48	33:54	-	-	-	-	-	-
204.80	80.00	84:46	42:23	-	-	-	-	-	-
102.40	40.00	169:32	84:46	56:30	42:23	33:54	-	-	-
51.20	20.00	339:03	169:32	113:01	84:46	67:48	56:30	48:26	42:23
25.60	10.00	678:09	339:04	226:03	169:32	135:37	113:01	96:52	84:46
12.80	5.00	1356:19	678:09	452:06	339:03	271:15	226:03	193:45	169:32
5.12	2.00	3390:39	1695:19	1130:13	847:39	678:07	565:06	484:22	423:49
2.56	1.00	6781:30	3390:39	2260:30	1695:19	1356:18	1130:13	968:47	847:39
1.28	0.50	13563:00	6781:19	4521:00	3390:39	2712:36	2260:26	1937:34	1695:19