

RF Capture & Player (4Diversity/2Diversity)

4422B

~Record & Playback 4 RF Signal in 1 unit~

General

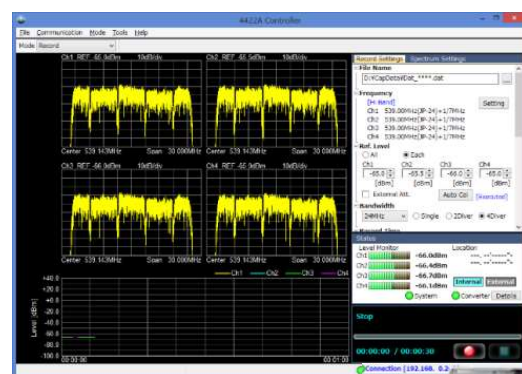
This device can record “live (raw)” RF signals in the field without demodulation or alteration. And by playing-back the recorded data in your laboratory, you can get same RF signal as the field at the laboratory. (※1)

This device corresponds to 4Diversity RF signal, so that, it is very suitable for field simulation test of on-vehicle TV receiver.

In addition to the 4Diversity model, 2Diversity model is also available.



※This is 4Diversity model.



Application Software



Features

Compact Size

Recording and playing-back part corresponding to 4 diversity is equipped in 1 unit, which is small size and light weight.

PC is needed for the operation of this device.

Wide Frequency Range

Frequency range: 100kHz~30MHz and 30MHz~1006MHz (※2)

Bandwidth: 1MHz, 8MHz, 24MHz, 30MHz(100kHz~30MHz only)

Solid State Drive (SSD) of 2Tbyte is equipped.

DC Power Supply (DC+12V) is available.

Phases of the four channels are synchronized. (The delay time difference between channels is within ± 2 ns.)

USB3.0 port are equipped.

Spectrum Display function

A spectrum at the capture can be confirmed by this function.

Low Noise Amplifier is equipped.

When recording low level signal, this function reduces deterioration of the signal minimally.

Auto Cal function

When recording a RF signal, this device set suitable recorded signal level automatically by this function.

GPS module is equipped.

GPS module is equipped, so that, the current position information is also recorded with the capture data.

Schedule Record function

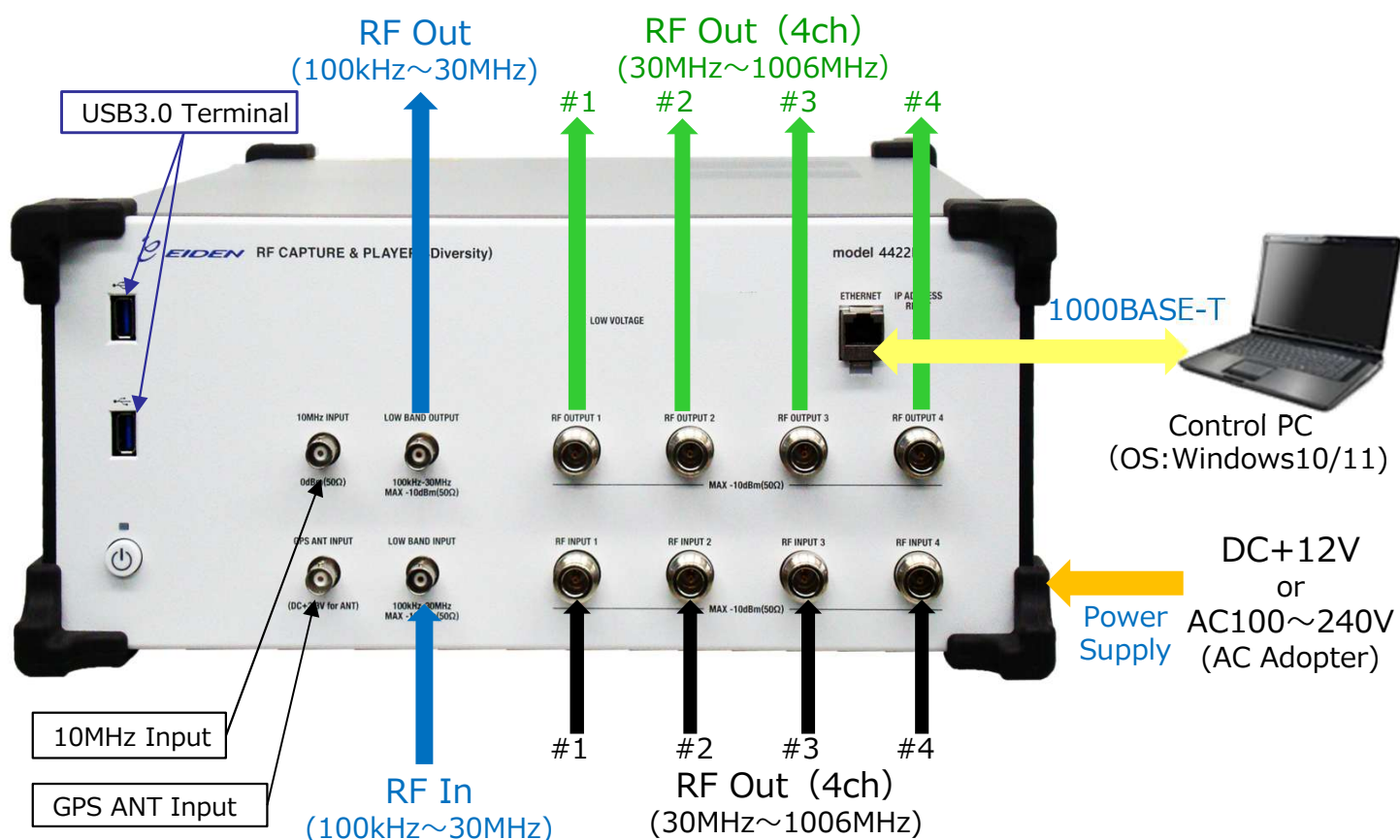
By setting time, this device can start to record on the time automatically. So, no man needs to start the capture, when recording the test broadcast in the midnight is required.

※1 This device is manufactured for analysis of high frequency signals, quality tests for receivers and so on. Do not use this device for other usage. In addition, do not use this device for the copy of the contents.

※2 Depending on bandwidth when recording, frequency range of this device is limited.

System Composition

※This is 4Diversity configuration.
In 2Diversity configuration, #3 and #4 are removed.



Model

Model	Model	Channel	備考
	4422B	4Diversity	Corresponding to 1 RF Signal (Single) and 2 RF Signal (2 diversity) also.
	4422B-002	2Diversity	Corresponding to 1 RF Signal (Single) also.

Recording Time

(SSD: 2TByte)

Composition

Mode	帯域幅	記録時間
Single	1MHz	96 hours
	8MHz	12 hours
	24MHz	4 hours
4Diversity	1MHz	12 hours
	8MHz	3 hours
	24MHz	1 hour

項目	内容
Size	W:350 x H:160 x D:490(mm) ※Excluding projections
Weight	Approx. 19kg ※For 4Diversity model
Power Source(AC)	AC100V~AC240V (Power Consumption: max. 220W@240V) ※For 4Diversity model
Power Source(DC)	DC+12V (+10V~+14V) (Power Consumption: max. 18.3A@+12V) ※For 4Diversity model