MODEL MP7600

6GHz RF RECORDER & PLAYER

Key Features

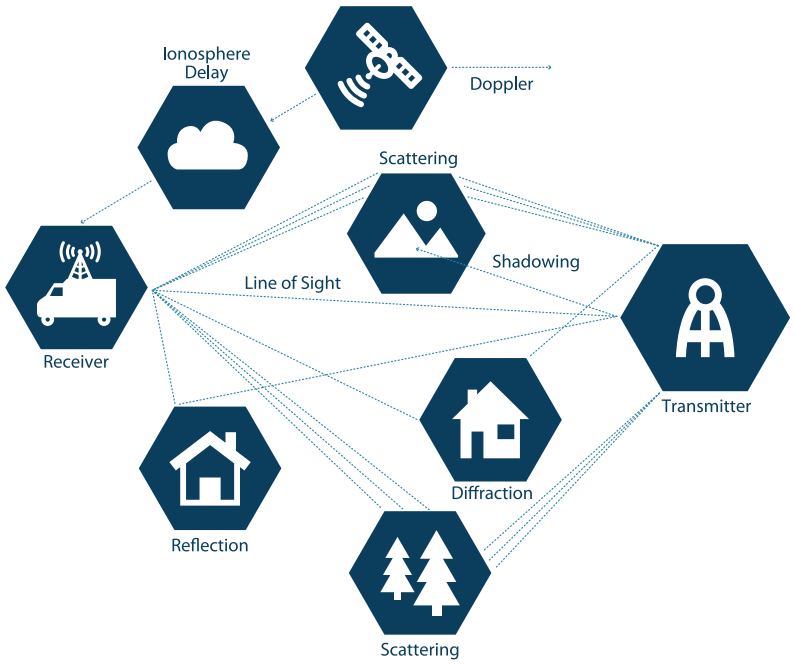
- Ultra-high frequency coverage from 300 KHz to 6.0 GHz
- Pre-trigger function to keep your valuable record data even before the trigger event
- 100MHz super wide bandwidth capable of simultane ously record/playback of 16 NTSC TV channels
- MP7600 can have a maximum of 7 sets, synchronized in parallel, RF record/playback
- 16-bit high resolution of the ADC/DAC
- Smart AGC to extend usable dynamic range to greater than 150dB
- High linearity to accommodate strong & weak signals
- Additional traces for maximum/minimum holds
- 20+ markers for easy signal identification
- Baseband IQ data formats compatible to MATLAB
- Software utility support including I/Q data extractor and file segmentation
- 2.5 inches SSD x4 internal drive bays (4 X 480 GB by default, 1 TB x4 upgradable
- 1PPS, IRIG-B support (Optional)

Application

- Wireless communication
- Broadcasting
- Navigation
- Telemetry

Test your product with the Real-World signals:

- Eventually your Receiver has to receive the real-world signal, yet,…
- None of the existing signal generators can 100% emulate the real world signals,
- Only the RF recorder/player can bring back repeatable real world RF signals to your lab



When will you need a RF recorder ?

- Your DTV/DAB/GPS receiver chip can't decode properly in certain location
- Your receiver works fine in some locations, however doesn't in some other locations.
- Virtual signal source, can be any signal generator. While you can change the playback frequency & level.

Instrument

Record | Storage | Analysis | Play

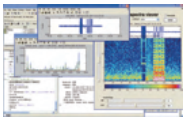
R & D Lab

MP7600

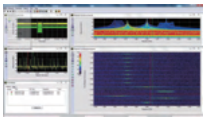
Live Signal

Production Line

Encryption



Signal Analysis



Matlab Analysis

Center Signal Source

ADIVIC
RF Test & Measurement

9F., No. 88, Wenmao Rd., Guishan Dist., Taoyuan City 333001, Taiwan
TEL: 886-3-327-9968
Web: www.adivic.com

MP7600

6GHz RF RECORDER & PLAYER

Specifications

Model	RF Recorder/player
Frequency	300KHz - 6GHz
Frequency Extend option	-
Bandwidth	100MHz
Sample Rate	250MS/s
Resolution	16bit
Recorder Channel	1
Playback Channel	1
Diversity	Maximum 7 CH in parallel
Trigger	Yes (Pre-trigger)
10MHz In/Out	Yes
SWAP SSD	2.5" SSD 480 GB x 4
IRIG-B	Yes
Loopthough	Yes
Power	DC 12V / AC 100 ~ 250 V
Size L x W x H cm	35.5 x 30.2 x 10.2
Weight	9 kg

Function

Loop Through Function

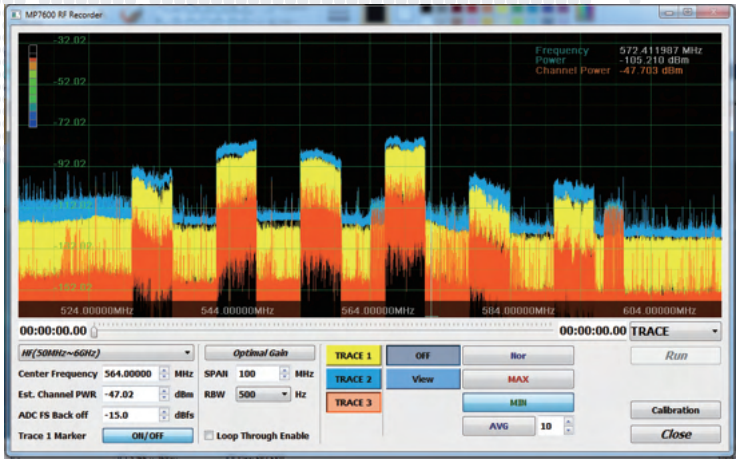
To inspect RF signal before and while recording

Pre-trigger

A buffer memory is allocated to store the recording before trigger event.

Max & Min Hold

To inspect RF signal dynamic range



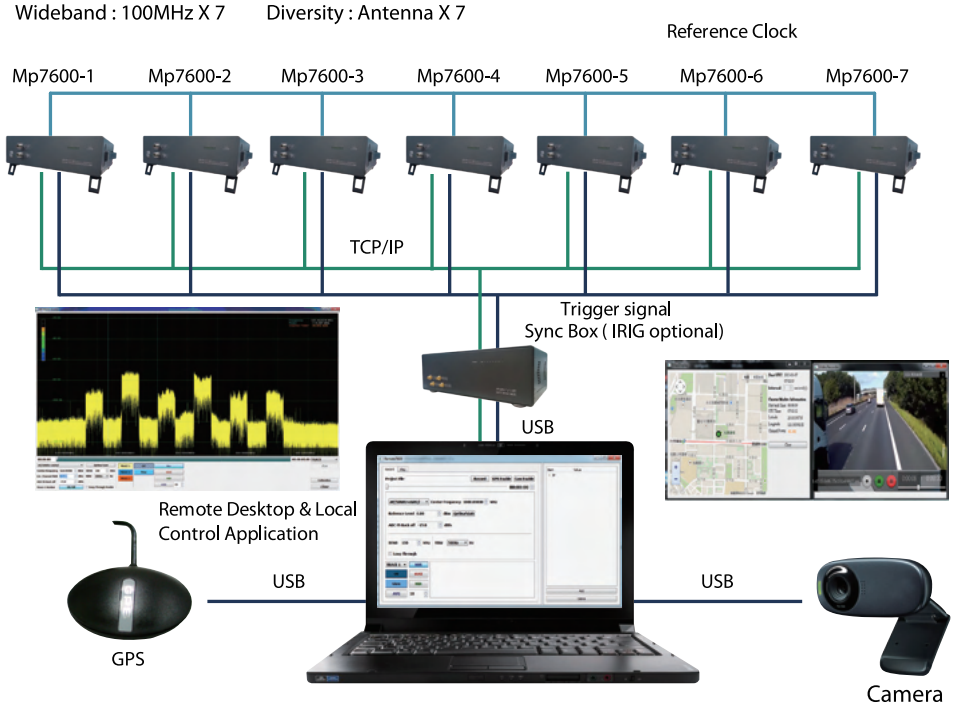
GPS

To record the RF signal postion with G-mouse

700MHz Wideband Recording

Allow the simultaneous recording and playback of 700MHz bandwidth.

Wideband : 100MHz X 7 Diversity : Antenna X 7



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