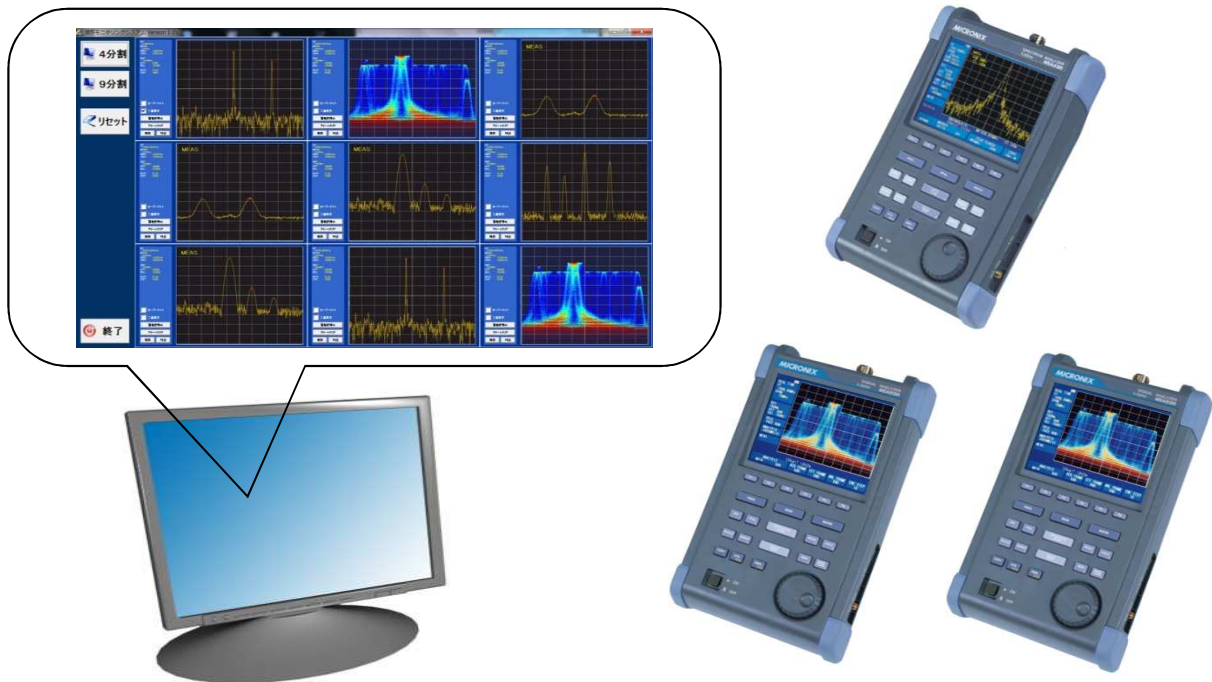


Split-screen display of max 9 channels of signals captured with spectrum analyzer
Suitable for signal monitoring in broadcasting station and radio relay station



Outline of system

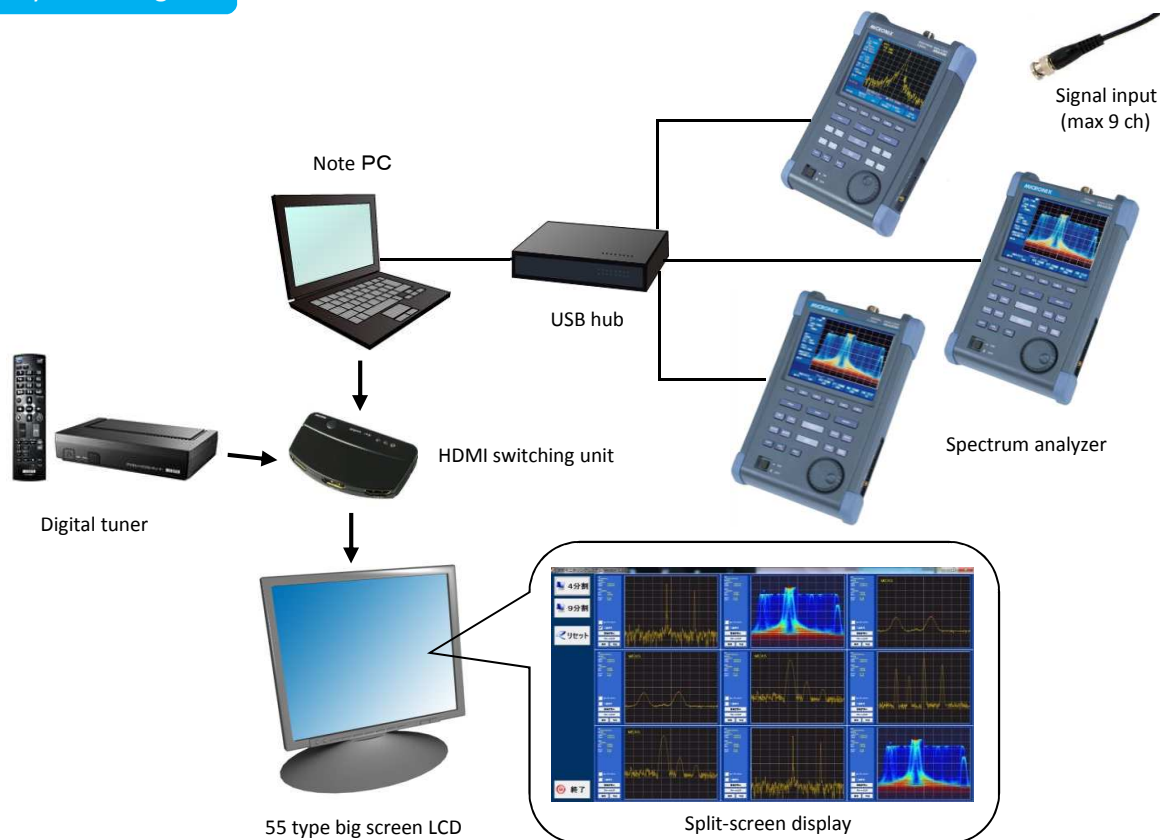
Multiwindow waveform monitor MW4500 is a system which controls spectrum analyzer MSA400 and 500 series with remote commands, and displays the measured spectrum waveforms on a big and split screen.

Since the signal quality needs to be monitored watching many displays in the existing monitoring system, system price is more expensive. By using the multiwindow waveform monitor, maximum nine channels of spectrum waveforms can be simultaneously displayed on one screen. Moreover, by using the history function, spectrum waveform can be stored at the specified time periodically.

Features

- ◆ Maximum nine channels of signals can be captured, and displayed divided on a big screen.
- ◆ The number of split screen is 1, 4 and 9 screens and the input channel to be displayed can be specified.
- ◆ Since multiple waveforms can be displayed on one display, the monitoring work becomes more efficient.
- ◆ By displaying in piles the reference waveform measured before, the degradation of signal quality can be observed at a glance.
- ◆ Realizes down-sizing and low power consumption of system.
- ◆ Since spectrum analyzer enables battery operation, the system can be constructed in isolation from other power supply.

System image



Functions

1. Signal measurement function
2. Waveform display function
3. Multiplex display function
 - Overwriting display
 - Two waveforms display
4. History function
5. Split-screen display function
6. Alert function
7. Signal switching function

Specifications of spectrum analyzer

Items	MSA438	MSA458	MSA538	MSA558
Frequency range	50kHz to 3.3GHz	50kHz to 8.5GHz	20kHz to 3.3GHz	20kHz to 8.5GHz
Frequency span	0, 100kHz to 2GHz, Full	0, 100kHz to 5GHz, Full	0, 20kHz to 2GHz, Full	0, 20kHz to 5GHz, Full
RBW	3kHz to 3MHz		300Hz to 3MHz	
VBW	100Hz to 1MHz			
SSB phase noise	-90dBc/Hz @ 100kHz offset		-95dBc/Hz @ 100kHz offset	
Average noise level	-127dBm @ 1GHz		-140dBm @ 1GHz	-135dBm @ 1GHz
Input damage level	+27dBm, 25VDC			
RF input connector	N(J)			
Battery operation	Available (option)			
Operating temperature	0 to 50°C			
Power consumption	approx. 15W		approx. 13W	
Weight	approx. 1.8kg			

※Supports all models of MSA400/500 series.

※MICRONIX Corporation reserves the right to make changes in design, specification and other information without prior notice.

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