WBR1800 / WBP1800

Wideband IF recording and monitoring system

WBR1800 / WBP1800 records wideband IF signals at 500 MHz bandwidth onto 24 TB of storage, for ELINT, COMINT and test purposes. The system is housed in a portable rugged case. It is controlled and monitored over the network and displays high-resolution spectrum and waterfall views for the operator. ZETA's spectrum compression keeps all remote functions within 100 kbps of network bandwidth.



Figure 1. WBR1800 in a rugged transit case with integrated keyboard and display

Key Features

- 500 MHz IF recording
- Low-bandwidth remote operation
- ELINT and COMINT versions

AT A GLANCE

RECORDING BANDWIDTH
500 MHz

FREQUENCY RANGE, ELINT VERSION
2 GHz – 18 GHz

FREQUENCY RANGE, COMINT VERSION
20 MHz – 6 GHz

STORAGE
24 TB

REMOTE CONTROL
1 GbE

APPLICATIONS

- ELINT signal recording
- COMINT signal recording
- Recording during system tests and trials

Capabilities

500 MHz IF recording

IF signals are recorded at 500 MHz bandwidth and stored on 24 TB of local storage for later analysis.

Low-bandwidth remote operation

Control, spectrum and waterfall displays work over the network within 100 kbps, using ZETA's spectrum compression algorithms.

ELINT and COMINT versions

The ELINT version covers 2–18 GHz; the COMINT version covers 20 MHz to 6 GHz.

Specifications

General	
Recording bandwidth	500 MHz
Frequency range, ELINT version	2 GHz – 18 GHz
Frequency range, COMINT version	20 MHz – 6 GHz
Storage	24 TB
Remote control	1 GbE

General	
Remote monitoring bandwidth	≤ 100 kbps

Warranty

All hardware and software procured from Zeta is under warranty against manufacturing or design failures for 2 years. Customer-specific warranty terms may be arranged.

Disclaimer

Due to ongoing research and development, Zeta reserves the right to change product specifications without notice.

About Zeta

Zeta Defence develops electronic intelligence (ELINT) and communication intelligence (COMINT) equipment and radar / electronic warfare simulators. Its capabilities include RF transceiver system design, digital design and large-scale software development.

Contact

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