

## **SIGINT RECORDERS**

MOUNTAINBRIK™ RAID & ACQUISITION



### **WBRA**

- Record up to 1 GHz input bandwidth at 2 GSPS for hours
- Analog playback of recorded data up to 1 GHz of bandwidth
- Quickly and easily swap the two removable 16 TB solid-state disk packs for additional data storage
- Internal filter bank supports multiple lfs and sample rates
- Configurable FPGA-based sub-band tuner
- 3U rack-mount chassis

### **MBRA**

- Transport the system in a rugged, lightweight Pelican case
- Six 2.5" SSDs, 1 or 2 TB each
- Integrated GPSDO
- 11 VDC to 30 VDC input power (AC adapter included)
- **IFXRRD:** Dual-channel 500 MSPS, 14-bit ADC, 16-bit DAC
- **LPRD:** Dual-channel, 70 MHz to 6 GHz front end, up to 56 MHz BW



### **MBRA2 IFXR**

- Dual-channel 500 MSPS, 14-bit ADC, 16-bit DAC
- Record and analog playback, up to 250 MHz
- Two independent sub-band tuners
- Total rate to disk up to 1 GByte/sec
- Portable or rack-mount options

### **MBRA2 RFXR**

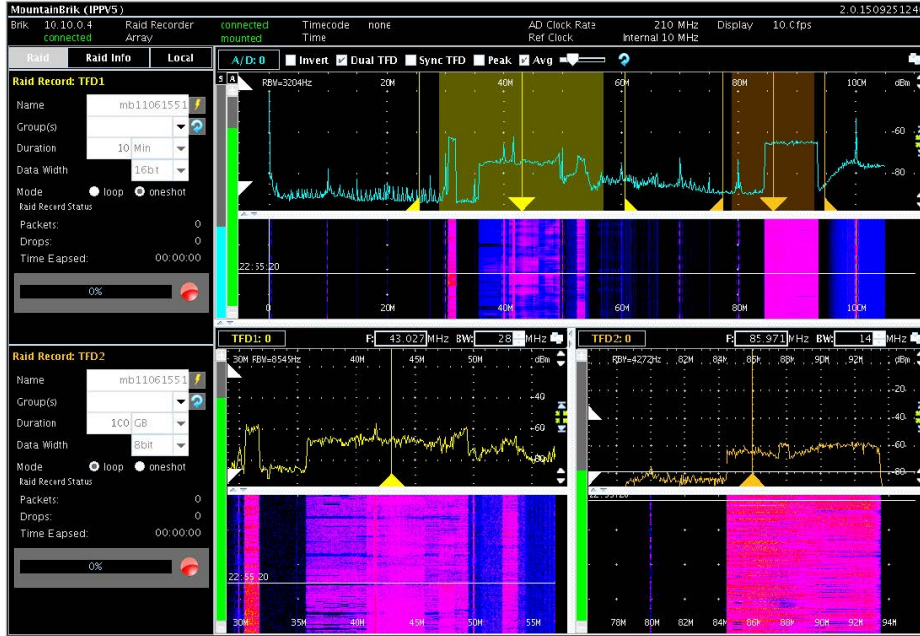
- Dual-channel, 70 MHz to 6 GHz front end, up to 56 MHz BW
- Two independent sub-band tuners
- Total rate to disk up to 490 MByte/sec

**SIGINT RECORDERS**

# MOUNTAINBRIK™ GUI

Simple, powerful controls for setting the tuners to either of the system ADC inputs and adjusting the bandwidth and frequency.

Start and stop recordings with ease.



Clear system health and status indicators.

Real-time spectral plots and waterfalls enable the user to quickly analyze a dynamic signal environment.

## RECORDER COMPARISON

|                         | WBRA FAMILY                           | MBRA FAMILY  | MBRA2 FAMILY   |
|-------------------------|---------------------------------------|--|--|
| <b>IF RECORDERS</b>     | WBRA-02, -03, -04L                    | IFXRRD-01  | MBRA2-16T-IFXR<br>MBRA2-16T-IFXR-2U-01   |
| <b>RF RECORDERS</b>     | N/A                                   | LPRD-01  | MBRA2-16T-RFXR   |
| <b>MAX RECORD RATE</b>  | 2 GByte/s                             | 1 GByte/s  | 1 GByte/s  |
| <b>STORAGE CAPACITY</b> | 32 TB (dual 16 TB)<br>removable packs | Six 1 TB or 2 TB<br>removable disks                | 16 TB removable pack   |
| <b>DIMENSIONS</b>       | 19" rackmount, 3U,<br>26" depth       | 13.5" x 12" x 6"<br>Pelican case                   | 16.4" x 8.8" x 13.3"<br>Pelican case,<br>or 19" rackmount, 2U,<br>26" depth (IFXR) |
| <b>INPUT VOLTAGE</b>    | 90 VAC to 264 VAC<br>47 Hz to 63 Hz   | 11 VDC to 30 VDC<br>(AC power adapter<br>included) | 90 VAC to 264 VAC<br>47 Hz to 63 Hz  |
| <b>CONTROL GUI</b>      | MountainBrik™                         | MountainBrik™                                      | MountainBrik™  |

### COMMON FEATURES

- High-precision time tagging
- Multiple unit synchronization (record and playback)
- Loop and one-shot record modes
- User-friendly GUI and API

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