


# IZT R3301

## Portable Monitoring Receiver and RF Recorder

- Portable monitoring system for 9 kHz...3000 MHz
- Continuous recording of 20 MHz bandwidth
- Integrated RAID storage and GPS receiver
- Compact and rugged design
- Extremely low RF emissions



**Innovationszentrum**  Telekommunikations-  
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### Proven RF Performance

- 9 kHz to 3000 MHz frequency range
- 24 MHz instantaneous bandwidth
- Real-Time Spectrum Analyzer Functionality
- Built-in high performance IZT R3000 tuner and signal processing (3...18 GHz optional)
- Simultaneous Multichannel Processing

### Integrated RF Recorder

- Up to 20 MHz bandwidth for continuous recordings
- Swapable RAID system with 2 TB capacity
- Integrated GPS receiver

### Supports Advanced Applications

- Wideband Record & Replay system IZT RecPlay
- Diversity recording
- Anti-Surveillance System IZT Lynx
- TDOA location finding

### Designed for All Environments

- Compact and lightweight
- Widerange AC and DC supply with uninterrupted power supply (UPS)
- Crystal clear 12" touch screen
- Meets CISPR 25 for low RF emissions



Easy RAID storage swapping

<b>Interfaces</b>	Antenna input, HF, VUHF	N, female, 50 Ω
	External reference input	SMA, female, 50 Ω
	Storage System	4x 2.5" ESATA HDD RAID Tray
	External trigger pulse	Input: 1x SMA, female, CMOS 3.3V (5V tolerant input) Output: 1x SMA, female, CMOS 3.3V
	External synchronization	6x SMA, female, 50 Ω
	USB	2x USB 2.0
	Remote control	D-SUB 9, female
	LAN	1x Gigabit LAN, RJ45, CAT 6 1x Gigabit LAN, LC-Duplex, optical
<b>General Data</b>	Operating temperature	0° to +45°C (Monitoring Receiver) 0° to +40°C (RF Recorder)
	Storage temperature	-20°C to +60°C
	Humidity	max. 85%, non-condensing
	EMI / EMC	CISPR 22 / CISPR 25 (EN 55022 / EN 55025)
	MTBF	> 10 000 hrs (MIL-HDBK)
	Power supply	AC: 100 - 240 V, 47- 63 Hz, 240 VA DC: 10 - 30 V, 150 W UPS: 21.6 V, 2.4 Ah, 56.4 Wh, Li-Ion
	Dimensions (WxHxD)	450 x 347 x 234 mm
	Weight	approx. 17 kg

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**About IZT**

The Innovationszentrum fuer Telekommunikationstechnik GmbH IZT specializes in the most advanced digital signal processing and field programmable gate array (FPGA) designs in combination with high frequency and microwave technology.

The product portfolio includes equipment for signal generation, receivers for signal monitoring and recording, transmitters for digital broadcast, digital radio systems, and channel simulators. IZT offers powerful platforms and customized solutions for high signal bandwidth and real-time signal processing applications. The product and project business is managed from the principal office located in Erlangen/Germany.

IZT distributes its products worldwide together with its international strategic partners. The customers are civil companies, governmental agencies and armed forces.

The IZT quality management system is ISO 9001:2000 certified.