

VIZOR™ STEALTH REPEATER / BASE STATION

➤ FEATURES AT A GLANCE



- Lightweight, weatherproof and rugged
- Long operational battery life
- Rapid deployment
- Full P25 encryption
- Quick-swap duplexers
- Flexible control panel

For agencies that require compact, easily deployable P25 repeaters supporting transparent encryption in VHF or UHF bands, the CODAN™ Vizer provides a compact 30 Watt repeater/base station that is unobtrusive. The system can be configured as a repeater, a base station or a repeater/base station combination.

QUICK-SWAP DUPLEXERS

The Vizer provides swappable duplexer modules that easily enable a user or technician to change the operating channel of the repeater in the field by quickly swapping out the internal duplexer. An optional antenna relay kit may also be installed instead of a duplexer:



1. Undo quick fasteners



2. Remove duplexer from case



3. Select duplexer for correct channel



4. Insert new duplexer in case

FLEXIBLE CONTROL PANEL

The Vizer provides a simple, yet flexible, control interface that allows for a number of options for every possible situation you can encounter in the field. Controls include:

- Speaker On/Off and Volume
- TX/RX Channel Selector Switch
- Encryption Enable/Disable Switch and “Clear Keys” Button
- Auxiliary Connector providing access to Balanced Audio, PTT, COR and Channel Select Lines
- System On/Off Switch
- Power, TX Activity and RX Activity LEDs



FEATURE COMPARISON

Feature comparison with the Motorola PDR 3500 Transportable Digital Repeater:

FEATURE	MOTOROLA PDR	CODAN VIZOR
Mode of operation	Repeater or Base Station	Repeater and/or Base Station
P25 compliant operation	Optional	Optional
Size	7.75" H x 20" W x 15" D (20 cm H x 51 cm W x 38 cm D)	6.7" H x 18.2" W x 13.4" D (17 cm H x 46 cm W x 34 cm D)
Weight (fully equipped)	46 lbs (20.8 kg)	28 lbs (12.7 kg)
Closed case operation	Yes	Yes
Duty cycle	50%	100% (Open Lid) 50% (Closed Lid)
RF output power	30 W Nominal (VHF) 25 W Nominal (UHF)	30 W Nominal (VHF) 30 W Nominal (UHF)
Power source	External AC External DC	External AC External DC
Crossband capability	Yes	Yes
Hardware configuration	Field Replaceable Units	Field Replaceable Units

SPECIFICATIONS

Part number	ET-6-M03
Frequency bands supported	VHF — 136 – 174 MHz UHF — 380 – 406 MHz UHF — 406 – 470 MHz UHF — 470 – 520 MHz
Encryption passed / decode–encode	All P25 types (AES or DES-OFB)
Size	6.7" H x 18.2" W x 13.4" D (17 cm H x 46 cm W x 34 cm D)
Weight (fully equipped)	28 lbs (12.7 kg)
Operating temperature	–30°C to +60°C
Duplexer separation	4.5 MHz (VHF) 5 MHz (UHF)
RF output power	20–30 W
Power/RF connections	Optional internal or external connectors
Power source	External 110/220 V AC External 12 V DC power
Power support	Optional battery case Optional solar kit

STANDARD ACCESSORIES

- Internal AC power supply with float charger for external battery connections
- Tactical headset for base station operations
- AC and DC power Cables
- Available in black cases

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Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.



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