

Model - VBR-500

The most important thing we build is trust

Video Vortex Receiver

The Vortex series of video receivers was designed specifically for users who want to integrate a video receiver into another device, such as an operator control unit. Applications include covert surveillance, Airborne Law Enforcement (ALE), Unmanned Aerial Vehicle (UAV), Unmanned Ground Vehicle (UGV) and robot Operator Control Units (OCU's).

The Vortex Open Frame series is a board level receiver, without the weight and cost of a rugged aluminum enclosure. Connections to the unit have been simplified, with all connections

except the RF connector utilizing a locking, miniature MTA connector strip.

The Vortex series offer superior video performance and complete user programmability. Up to ten user programmable video frequencies may be selected. Each video frequency has two user programmable audio subcarriers as well.

Two video outputs are provided, one composite and one video only. The composite video output is ideal for retransmission, as the audio subcarriers are embedded in the signal.

Features:

- Open Frame board level design reduces size, weight and cost
- Current consumption of only 260 mA @ 12 VDC
- Locking MTA connectors
- Ten user programmable video channels and two audio subcarriers per channel
- Audio subcarriers may be used to receive data
- RSSI available as analog voltage or discrete value

Add "ENC" to any of the above model numbers for Video Encryption

Add "ENC-AA" for Micro-AudioLock and audio subcarrier encryption



Specifications:

Dimensions	5.0" W x 2.16" D x 1.22" H (Open Frame only)
Weight	.4 lb max
Mounting Provisions	4-40 UNC female standoffs (6X)
Tuning Step Size	10 KHz
Subcarrier Frequencies	6 – 5.0 MHz (user-programmable)
Programming	4-pin MTA
Video Frequency Response	6 Hz – 7.5 MHz ±1 dB
Number of Channels	10 max. (user-programmable)
Input Impedance	50 ohms
Operating Frequency	L (1700 - 1850 MHz) S2 (2200 - 2300 MHz) S (2350 - 2500 MHz) C (4440-4990 MHz)
Output Impedance	75 ohms
Input Voltage	9 – 16 VDC

For further information please contact:

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