VMX3-1

Triple-Tuner High-Definition MPEG-2/4 QAM Set-Top Box with Verimatrix® CAS

Part of ATX’s all-digital CONDOR solution, the VMX3-1 HD QAM set-top box descrambles signals from the CONDOR headend while converting digital signals to analog for display on legacy TVs. The unit is equipped with a triple tuner for the recording of three TV channels at once & features Verimatrix® CAS for content protection. Offering HDMI™ & composite outputs, the unit provides PVR/media player capabilities, Electronic Program Guide (EPG) support, & an intuitive high-definition interface for ease of use. The VMX3-1 can be deployed as a standalone solution for non-encrypted clear QAM applications.

Features

• Decodes high-definition & standard-definition signals
• Triple-tuner for recording of multiple TV channels
• Decodes MPEG-2 / AVC / H.264 / MPEG-4 video
• Decodes MPEG-1 L1/2 & Dolby® AC-3
• Clear QAM & Verimatrix CAS
• Supports 64 & 256 QAM inputs
• Elegant, intuitive, & simple high-definition user interface
• Auto scanning for QAM channels & programs
• Supports Electronic Program Guide (EPG)
• Multiple language support
• Firmware updates via cable TV network
• HDMI & analog composite video/audio outputs
• PVR via two external USB sticks/drives
• Optical SPDIF
• Universal remote control, HDMI & composite cable included

Subscriber Experience

The InfoBar is similar to a traditional program Now & Next bar, which is displayed on channel change or when the user requests.

The easy-to-use program guide shows what's on TV & allows users to easily bring up detailed information about programs of interest.
## Specifications

### TUNER
- **Tuner**: Triple-tuner
- **QAM Modes**: ITU-T J.83, Annex B
- **Constellation**: 64/256 QAM
- **Frequency Range**: 54 MHz to 862 MHz
- **Bandwidth**: 6 MHz
- **Input Impedance**: 75 Ω
- **Input Level Range**: -15 dBmV to 30 dBmV
- **Signal Input**: IEC 169-24, F-Type, Female
- **Symbol Rate**: 7.252 Msps Max.
- **Loop Output**: IEC 169-24, F-Type, Female

### VIDEO
- **MPEG Decoder**: MPEG-2/MPEG-4/H.264
- **Video Resolution**: 1080p (HD), 720p (HD), 480i (SD)
- **Aspect Ratio**: 4:3, 16:9

### AUDIO
- **MPEG Decoder**: MPEG-1 L1/2 & Dolby AC-3
- **Output**: Stereo/Right/Left/Mono
- **Sampling Frequency**: 32 kHz, 44.1 kHz, 48 kHz

### SECURITY
- **Conditional Access**: Verimatrix

### FRONT PANEL
- **Key**: 3 Keys (Standby, CH-, CH+)
- **LED**: Red: Power/Standby, Green: Signal, Yellow: Ethernet Link
- **Digital**: 4-digits, 7-segment Display (Green)
- **CA Card**: One-slot

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>VMX3-1</td>
<td>Triple-tuner High-Definition MPEG-2/4 QAM Set-Top Box with Verimatrix CAS</td>
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<tr>
<td>IR-EXT</td>
<td>3.5mm IR Extender</td>
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