VMX3-1

Triple-Tuner High Definition MPEG-2/4 QAM Settop Box with Verimatrix CAS

Description

Part of Pico Digital'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 and features Verimatrix® CAS for content protection. Offering HDMI and composite outputs, the unit provides PVR/media player capabilities, Electronic Program Guide (EPG) support, and an intuitive high-definition interface for ease of use. The **VMX3-1** can be deployed as a stand-alone solution for non-encrypted clear QAM applications.

Features

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

Subscriber Experience

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

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

Specification

Tuner

Tuner	Triple tuner
QAM Modes	ITU-T J.83, Annex B
Constellation	64/256 QAM
Frequency Range	54 MHz ~ 862 MHz
Bandwidth	6 MHz
Input Impedance	75Ω
Input Level Range	-15 dBmV ~ 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/MPEG4/H.264
Video Resolution	1080P(HD), 720p(HD), 480i(SD)
Aspect Ratio	4:3, 16:9

Audio

MPEG Decoder	MPEG-1 Layer1/2
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	1 slot

Rear Panel

RF Input	F-Type
RF loop through	F-Type
Composite Output	3 RCA (CVBS, A. left, A. right)
Digital Audio	S/PDIF optical
Ethernet	RJ45 GbE 10/100-BaseT
HDMI	19 pin female
USB	2 USB 2.0
DC Input	12 V/1.5 A

Remote Control

Batteries	2 AAA type

Power Supply

Power supply mode	External
Plug Type	American standard
AC Input (V/Hz)	AC 110 V ~ 240 V, 50 Hz/60 Hz
Output Voltage (V)	12 V/1.5 A

General

Dimensions	8.65" (L) x 6.10" (D) x 1.57" (H)
Weight	Net 4 lb.
Operating Temperature	0°C ~ 40°C
Consumption	25 W max.
Standby Consumption	1 W
RoHs Compliant	

Ordering Information

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