



VMX1-1 High-Definition MPEG-2/4 QAM Set-Top Box with Verimatrix CAS

Part of ATX's all-digital CONDOR solution, the VMX1-1 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 single tuner for the recording of one TV channel & 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 VMX1-1 can be deployed as a standalone solution for non-encrypted clear QAM applications.



VMX1-1
(front view)

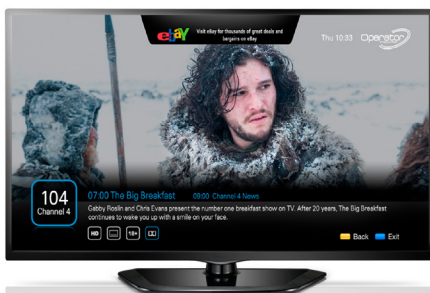


VMX1-1 (rear view)

Features

- Decodes high-definition & standard-definition signals
- One tuner for recording one TV channel
- 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
- Coaxial 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.

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Specifications

TUNER	
TUNER	Single 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	3.6 MS/s to 6.952 MS/s
LOOP OUTPUT	IEC 169-24, F-Type, Female
VIDEO	
MPEG DECODER	MPEG-2/MPEG-4/H.264
VIDEO RESOLUTION	1920 x 1080i, 1280 x 720p, 720 x 576i
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	Up, Down, Left, Right, Ok, Menu, Exit, Standby
LED	Red: Power/Standby, Green: Signal
DIGITAL	4-digits, 7-segment Display (Green)
CA CARD	One-slot
USB	USB 2.0

REAR PANEL	
RF INPUT	F-Type
RF LOOP THROUGH	F-Type
COMPOSITE OUTPUT	3 RCA (CVBS, A. Left, A. Right)
DIGITAL AUDIO	S/PDIF
ETHERNET	RJ45
HDMI	19-pin Female
USB	USB 2.0
DC INPUT	12V/1.5A
REMOTE CONTROL	
BATTERIES	2 AAA Type
POWER SUPPLY	
POWER SUPPLY MODE	External
PLUG TYPE	American Standard
AC INPUT (V/Hz)	AC 110V to 240V, 50/60 Hz
OUTPUT VOLTAGE (V)	12V
GENERAL	
OPERATING TEMPERATURE	0°C to +40°C (+32°F to +104°F)
CONSUMPTION	18W Max.
STANDBY CONSUMPTION	1W
DIMENSIONS	1.75"H x 8.70"W x 6.38"D (4.45H x 22.10W x 16.21D cm)
WEIGHT	4.0 lbs (1.81 kg)
RoHS COMPLIANT	

Ordering Information

Part Number	Description
VMX1-1	High-Definition MPEG-2/4 QAM Set-Top Box with Verimatrix CAS
IR-EXT	3.5mm IR Extender