

# ZMOD - X1

## Professional Satellite Modulator (DVBS, DVBS-2)



The ZMOD-X1 modulator series is an all inclusive unit that is loaded with features most needed by broadcasters. In it's most basic form, the unit comes with DVBS (QPSK), DVBS2 (QPSK and 8 PSK) modulation schemes, IF output, L-band output and ASI & IP input all as standard features. 16 and 32 APSK modulation are provided as

options. Taking mobile and portable systems in mind, the unit comes with clear and user friendly front panel control. Size and weight are significantly less than any unit on the market. The unit can also be monitored and controlled using any web browser.

### ► Features & Benefits

- DVBS-QPSK/DVBS2 (QPSK, 8 PSK) standard.
- Clear and user-friendly front panel control.
- Front panel monitor port.
- Only 10" deep and weighs 4.5lbs.
- Rear panel Ethernet port for user interface.

### ► Specifications

<b>Common:</b>		<b>IF/L – Band Interface:</b>	<b>Control Interfaces:</b>
Signal Format:	CCM (VCM/ACM optional for DVBS-S2)	L–band Output:	SNMP:
Modulation Format & FEC Rate:	DVB-S QPSK, FEC rates 1/2, 2/3, 3/4, 5/6, 7/8	IF Output:	Web Interface:
DVB-S:	DVB-S QPSK, FEC rates 1/2, 2/3, 3/4, 5/6, 7/8	Output power step:	Alarms:
DVB-SNG:	8PSK, FEC rates 2/3, 5/6, 8/9	Output power stability:	Physical:
DVB-S2:	QPSK, FEC rates 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 4/5, 3/4, 5/6, 8/9, 9/10	Output power accuracy:	Size:
Roll Off Factor:	16APSK (Optional), FEC rates 2/3, 3/4, 4/5, 5/6, 8/9, 9/10	Monitor Output:	Weight:
DVB-S:	0.1 to 0.5	Return Loss:	Environmental:
DVB-S2:	0.2, 0.25, 0.35	Spurious:	Operating Temp.:
<b>Performance:</b>		Phase Noise:	Storage Temp.:
Min Symbol Rate:	100 kBaud	<b>Input Interfaces:</b>	Humidity, Operating:
Max Symbol Rate:	30 MBaud (45 MBaud optional)	DVB-ASI:	Electromagnetic:
Min Symbol Rate Step:	1 Baud	Ethernet:	Compatibility:
User Packet Size:	188 bytes	10 MHz Frequency:	Safety:
		Power:	

### ► Ordering Information

<b>ZMOD-X1</b>	DVB-S/S2 modulator, 8PSK 30 MBaud max, IP and ASI input, L-Band and IF output
<b>ZMOD-X1-45</b>	DVB-S/S2 modulator, 8PSK 45 MBaud max, IP and ASI input, L-Band and IF output

Please consult Evertz for other options as needed including 16APSK, 32APSK and VCM/ACM.