

Kingray

The **PROFESSIONALS** choice

KDM401 - Quad AV to SD DVB-T modulator



**MAXIMUM
SPECTRUM
EFFICIENCY**



The KDM401 is a commercial quality quad AV standard definition modulator with integrated multiplexing to combine all four AV inputs in one RF channel, maximising spectrum efficiency.

Ideal for converting an analogue AV signal either from a satellite decoder, DVD, video surveillance camera or video door phone and modulating it into a digital format (DVB-T) for distribution in a TV cable network.

With intuitive, simple menus, the KDM401 allows quick and easy programming either by the front panel or a computer using the ethernet port. The housing design allows the unit to be professionally mounted in a 19" rack or on a shelf if required.

The latest software and hardware advances have been used to provide a product boasting the optimum performance and reliability required for use in a commercial installation.

KDM401

- > Quad input AV SD modulator multiplexed into one RF channel.
- > Easy to program basic and advanced menus.
- > Adjustable output level, frequency and offset.
- > Selectable 2K, 8K carrier.
- > Adjustable constellation, FEC and guard interval.
- > Adjustable colour, brightness, contrast and saturation.
- > Adjustable LCN, PID, NIT, PDS and TS ID.
- > Programmable channel name.
- > Variable video and audio bit rates.



Technical Specifications

VIDEO INPUT

Video input	CVBS
Video input level	0.5–2 Vpp
Video mode	PAL
Input connector	RCA

AUDIO INPUT

Audio input	Stereo
Audio input level	0.4–2.5 Vpp
Input connectors	RCA L, R

OUTPUT

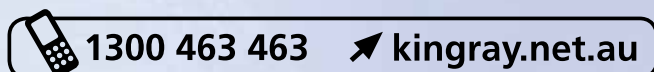
Frequency range	174–820 MHz (Aus) 470–862 MHz (NZ)
Output level	80–95 dBμV
Output impedance	75 Ω
Channel bandwidth	7, 8 MHz
Output level adjustment	up to 15 dB
MER	> 42 dB typ.
Fine tuning	+/- 125, 250, 375 kHz
Connector type	'F' Female

MODULATION

Video resolution	PAL 720 x 576 @ 25 fps
Video compression	MPEG2 MP@ML
Audio compression	MPEG1 Layer II
PSI/SI generation	PID, NIT, PDS and TS ID
LCN	Yes
Standard	ETSI EN 300 744 V1.5.1
Carrier	2K, 8K
Guard intervals	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Constellations	16 QAM, 64 QAM

GENERAL

Power Supply	110–240 V AC
Temperature Range	0 ~ +45°C



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