

HDMOD-6L,6S,6F

“Home” modulator

- 1 x HDMI (IN/OUT) to DVB-T
- 1 x HDMI (IN/OUT) to DVB-T + IR TX
- 1 x HDMI (IN/OUT) + A/V IN to DVB-T + IR TX



Leading the signal
all over the world

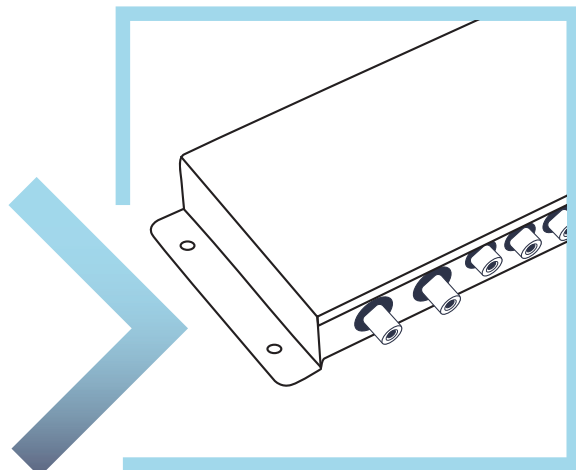


HDMOD-6L

The HDMOD-6L is a high-quality DVB-T "Home" modulator with HDMI loop-through circuit. It receives one HDMI as input and converts it into one RF DVB-T channel output as well as in HDMI out. The excellent picture (Full HD 1920*1080-30p) and modulation quality (MER~35dB) renders the HDMOD-6L an ideal solution for distributing SD/HD digital signals received from any device (e.g. a DVD player, STB or camera) in a CATV network using the DVB-T technology.

The user has the ability to control the device by either using the onboard SSD (Seven Segment Display) interface and keypad for quick installation or by using the USB interface with the appropriate software accompanying the HDMOD-6L for advance programming.

Finally, the HDMOD-6L's metal case provides excellent electromagnetic shielding as well as great temperature dissipation and rigidity.



Features

- High quality and performance
- Very clean RF spectrum
- HDMI input
- HDMI loop-through circuit
- MER value ~ 35dB
- RF output frequencies 174...230 MHz & 470...862 MHz
- H.264 HD encoder bitrate 1-19Mbps
- HDCP support
- Very small size
- External power supply
- USB interface for advanced setup



1 x HDMI (IN/OUT) to DVB-T

HDMOD-6L

Technical Specifications



Input Specifications

Type	1 x HDMI in 1 x HDMI out
HDMI loop-through	Yes
Connector	1 x HDMI Type A
Video coding	MPEG-4 AVC/H.264
Profile	High profile 4.0
Resolution	1920x1080-30p for HDMI
HDCP support	Yes
Audio	HDMI & Mono/Stereo
Audio encoding	MPEG2, ACC, AC3
Standard	MPEG-1 Layer II
Audio Bit Rate	64, 96, 128, 192, 256, 320, 384 kbps
Level	0.5Vpp to 1.0Vpp adjustable

H.264 Encoder

Standard	MPEG-4 AVC/H.264
Bit Rate	1 – 19 Mb/s adjustable
Configurable parameters	Service Name, Service ID, Video PID, Audio PID, PMT PID

Transport Stream Processing

Automatic regeneration	NIT, PAT, CAT, SDT, PMTs, EITs tables
Configurable parameters	TS ID, Original Network ID, Network ID, Provider Name
LCN support	Yes
LCN Providers	Nordig, ITC/UK, EICTA/Europe, New Zealand

DVB-T Output

Standard	EN 300 744
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8

RF Output

Type	RF DVB-T (COFDM)
Output frequencies	174...230 MHz & 470...862 MHz
Output level	85dBµV max.
Connector	75Ω - F, female
Output attenuator	0, -10, -20dBm
MER	35dB (Typical)
Shoulder attenuation	>45dBc
Connectors	1 x F – female

Programming interface

Via Keypad and SSD display
Via USB interface

EAN-13

Code	5213009760935
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General

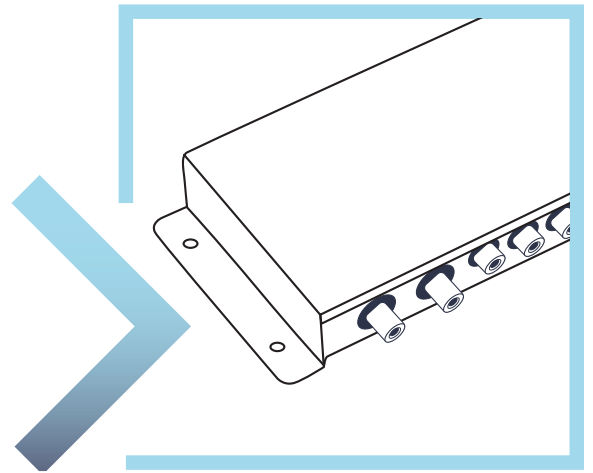
Power supply	+12VDC
Power supply consumption	450 mA max.
Operating temperature	0 °C to 50 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	198.0 x 100 x 26.4 mm
Weight	0.26 Kg

HDMOD-6S

The HDMOD-6S is a high-quality DVB-T "Home" modulator with HDMI loop-through circuit. It receives one HDMI as input and converts it into one RF DVB-T channel output as well as in HDMI out. The excellent picture (Full HD 1920*1080-30p) and modulation quality (MER~35dB) renders the HDMOD-6S an ideal solution for distributing SD/HD digital signals received from any device (e.g. a DVD player, STB or camera) in a CATV network using the DVB-T technology. Moreover, the HDMOD-6S has an embedded IR transmitter circuit to transfer the IR signal of a remote control over the coaxial network within a CATV installation.

The user has the ability to control the device by either using the onboard SSD (Seven Segment Display) interface and keypad for quick installation or by using the USB interface with the appropriate software accompanying the HDMOD-6S for advance programming.

Finally, the HDMOD-6S's metal case provides excellent electromagnetic shielding as well as great temperature dissipation and rigidity.



Features

- High quality and performance
- Very clean RF spectrum
- HDMI input
- RF loop-through circuit
- HDMI loop-through circuit
- MER value ~ 35dB
- RF output frequencies 174...230 MHz & 470...862 MHz
- H.264 HD encoder bitrate 1-19Mbps
- HDCP support
- Embedded IR transmitter
- Very small size
- External power supply
- USB interface for advanced setup



1 x HDMI (IN/OUT) to DVB-T + IR TX

HDMOD-6S

Technical Specifications



Input Specifications

Type	1 x HDMI in & 1 x HDMI out
HDMI loop-through	Yes
Connector	1 x HDMI Type A
Video coding	MPEG-4 AVC/H.264
Profile	High profile 4.0
Resolution	1920x1080-30p for HDMI
HDCP support	Yes
Audio	HDMI & Mono/Stereo
Audio encoding	MPEG2, ACC, AC3
Standard	MPEG-1 Layer II
Audio Bit Rate	64, 96, 128, 192, 256, 320, 384 kbps
Level	0.5Vpp to 1.0Vpp adjustable

H.264 Encoder

Standard	MPEG-4 AVC/H.264
Bit Rate	1 – 19 Mb/s adjustable
Configurable parameters	Service Name, Service ID, Video PID, Audio PID, PMT PID

Transport Stream Processing

Automatic regeneration	NIT, PAT, CAT, SDT, PMTs, EITs tables
Configurable parameters	TS ID, Original Network ID, Network ID, Provider Name
LCN support	Yes
LCN Providers	Nordig, ITC/UK, EICTA/Europe, New Zealand

DVB-T Output

Standard	EN 300 744
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8

RF Output

Type	RF DVB-T (COFDM)
Output frequencies	174...230 MHz & 470...862 MHz
Output level	85dBμV max.
Connector	75Ω - F, female
Output attenuator	0, -10, -20dBm
MER	35dB (Typical)
Shoulder attenuation	>45dBc
Connectors	1 x F – female

RF input of IR Transmitter

Working frequency	5...30MHz
Modulation type	ASK
Sensitivity	>45dBμV
Loop-through frequency	5...862MHz
Loop-through attenuation	<1 dB
RF Connector	F-female

IR Transmitter

Working frequency	38 KHz
Wavelength	940nm
Distance	1.5m max.
IR Connector	3.5mm stereo mini-jack
IR cable length	1m

Programming interface

Via Keypad and SSD display
Via USB interface

EAN-13

Code	5213009760942
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General

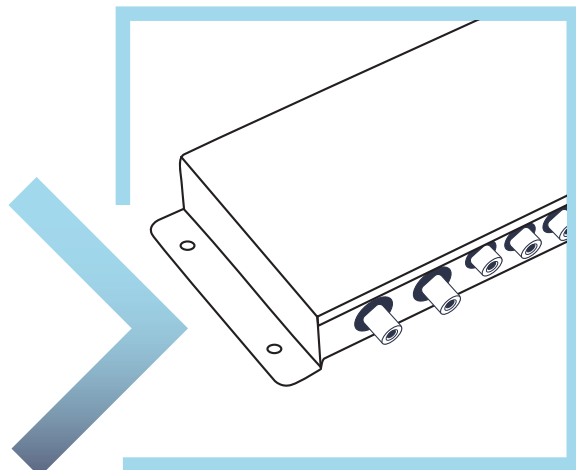
Power supply	+12VDC
Power supply consumption	450 mA max.
Operating temperature	0 °C to 50 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	198.0 x 100 x 26.4 mm
Weight	0.26 Kg

HDMOD-6F

The HDMOD-6F is a high-quality DVB-T "Home" modulator with HDMI loop-through circuit. It receives one HDMI or one CVBS signal as input and converts it into one RF DVB-T channel output as well as in HDMI out. The excellent picture (Full HD 1920*1080-30p) and modulation quality (MER~35dB) renders the HDMOD-6F an ideal solution for distributing SD/HD digital signals received from any device (e.g. a DVD player, STB or camera) in a CATV network using the DVB-T technology. Moreover, the HDMOD-6F has an embedded IR transmitter circuit to transfer the IR signal of a remote control over the coaxial network within a CATV installation.

The user has the ability to control the device by either using the onboard SSD (Seven Segment Display) interface and keypad for quick installation or by using the USB interface with the appropriate software accompanying the HDMOD-6F for advance programming.

Finally, the HDMOD-6F's metal case provides excellent electromagnetic shielding as well as great temperature dissipation and rigidity.



Features

- High quality and performance
- Very clean RF spectrum
- CVBS & HDMI input
- RF loop-through circuit
- HDMI loop-through circuit
- MER value ~ 35dB
- RF output frequencies 174...230 MHz & 470...862 MHz
- H.264 HD encoder bitrate 1-19Mbps
- HDCP support
- Embedded IR transmitter
- Very small size
- External power supply
- USB interface for advanced setup



1 x HDMI (IN/OUT)+A/V IN to DVB-T + IR TX

HDMOD-6F

Technical Specifications



Input Specifications

Type	1 x HDMI in & 1 x CVBS + Audio L/R & 1 x HDMI out
HDMI loop-through	Yes
Connector	1 x HDMI Type A 1 x RCA – Female (White, Red, Yellow)
Video coding	MPEG-4 AVC/H.264
Profile	High profile 4.0
Resolution	1920x1080-30p for HDMI
HDCP support	Yes
Audio	HDMI & Mono/Stereo
Audio encoding	MPEG2, ACC, AC3
Standard	MPEG-1 Layer II
Audio Bit Rate	64, 96, 128, 192, 256, 320, 384 kbps
Level	0.5Vpp to 1.0Vpp adjustable

H.264 Encoder

Standard	MPEG-4 AVC/H.264
Bit Rate	1 – 19 Mb/s adjustable
Configurable parameters	Service Name, Service ID, Video PID, Audio PID, PMT PID

Transport Stream Processing

Automatic regeneration	NIT, PAT, CAT, SDT, PMTs, EITs tables
Configurable parameters	TS ID, Original Network ID, Network ID, Provider Name
LCN support	Yes
LCN Providers	Nordig, ITC/UK, EICTA/Europe, New Zealand

DVB-T Output

Standard	EN 300 744
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8

RF Output

Type	RF DVB-T (COFDM)
Output frequencies	174...230 MHz & 470...862 MHz
Output level	85dBµV max.
Connector	75Ω - F, female
Output attenuator	0, -10, -20dBm
MER	35dB (Typical)
Shoulder attenuation	>45dBc
Connectors	1 x F – female

RF input of IR Transmitter

Working frequency	5...30MHz
Modulation type	ASK
Sensitivity	>45dBµV
Loop-through frequency	5...862MHz
Loop-through attenuation	<1 dB
RF Connector	F-female

IR Transmitter

Working frequency	38 KHz
Wavelength	940nm
Distance	1.5m max.
IR Connector	3.5mm stereo mini-jack
IR cable length	1m

Programming interface

Via Keypad and SSD display
Via USB interface

EAN-13

Code	5213009760959
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General

Power supply	+12VDC
Power supply consumption	450 mA max.
Operating temperature	0 °C to 50 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	198.0 x 100 x 26.4 mm
Weight	0.26 Kg

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