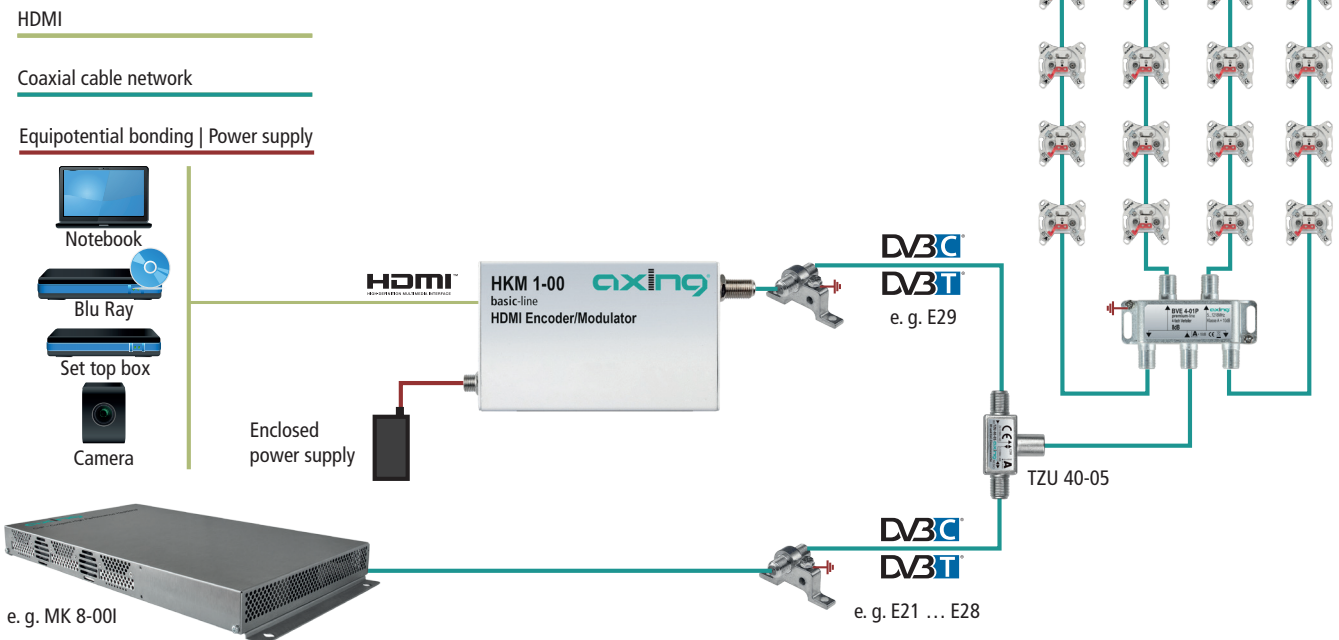


HDMI-Encoder/Modulator

For feeding video into cable networks.
Converts and compresses HDMI signals to DVB-C/T

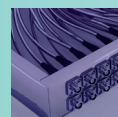
Benefits at a glance:

- ✓ Resolution up to 1080p @ 60Hz
- ✓ Provides a TV channel for information or events (online church services, fitness videos, etc.)
- ✓ For use in hotels or retirement homes, for example
- ✓ Suitable as an addition to a headend or SAT system
- ✓ Intuitive and easy configuration via web browser
- ✓ Includes power supply and wall brackets



Product description

The HDMI encoder/modulator converts and compresses HDMI signals into DVB-C/T and enables videos to be fed into a coaxial cable network. The source can be a set-top box or camera, a DVD or Blu-ray player, for example. With a resolution of up to 1080p at 60 Hz, the device is suitable for use in hotels, retirement homes or sports bars, for example, and in particular for integration into a headend or SAT distribution system. It enables the provision of TV channels for events, online church services, fitness videos or other information channels. The HKM 1-00 can also be used to realise simple and cost-effective digital signage. Configuration is simple and intuitive via a web browser. The device is supplied with a power supply unit and mounting brackets and is therefore quickly ready for use.



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Technical data

Type	HKM 1-00
Inputs	
Number	1 × HDMI
Video resolution	720@50p, 720@60p, 1080@50i/p, 1080@60i/p
Output	
Number of channels	1 × DVB-C/DVB-T
Frequency range	50 ... 950 MHz
Channel bandwidth	6, 7, 8 MHz
Output level adjustable	70 ... 100 dBμV
Video resolution	1080p @ 60 Hz
Audio Encoder	MPEG-1 audio layer II, AAC
Video Encoder	H.264 (MPEG-4)
Max. bit rate per channel	5 ... 25 Mbit/s
Output modulation	
Type	16QAM, 32QAM, 64QAM, 128QAM, 256QAM @ DVB-C QPSK, 16QAM, 64QAM @ DVB-T
MER	Typ. 39 dB min. 37 dB
FFT	2K, 8K @ DVB-T
FEC	1/2, 2/3, 3/4, 5/6, 7/8 @ DVB-T
Guard interval	1/4, 1/8, 1/16, 1/32 @ DVB-T
Symbol rate	5 ... 9 MBaud/s
Interfaces	
Ethernet connectors (LAN)	1 × RJ 45
Ethernet standards	IEEE 802.3, 100 Base-T
General	
Operating voltage	12 VDC
Current consumption	500 mA
Operating temperature range	5 °C ... 40 °C
Operating humidity (non-condensing)	80% @ 30 °C
External accessories	
Plug-in power supply	100 ... 240 VAC / 50 ... 60 Hz 12 VDC / 2 A

