

# TITAN Compact 2M Encoder/Decoder



## General

The TITAN Compact 2M Encoder/Decoder encodes the video signal at up to 1-Mbit/s and can be connected over its integrated 2-Mbit/s interface direct to 2-Mbit/s networks. The TITAN Compact 2M Encoder/Decoder can be used for the transmission of live video signals over 2-Mbit/s Basic Accesses for video surveillance.

## Functions

Up to 6 cameras and 3 monitors can be connected to the TITAN Compact 2M Encoder/Decoder. The TITAN Encoder/Decoder can transmit control data over both its LSD and HSD Data Channels, e.g. for camera control. The software delivered with the unit enables the selection of the camera input, the monitor output, the picture quality and so on...

The TITAN Compact encodes the live video signal at 1-Mbit/s. The configuration of the TITAN Compact 2M can also be remotely controlled from the TITAN Compact at the far end, via the back channel of the network.

An Audio Codec Module with bi-directional, 7-kHz, audio transmission capability is available as an optional extra.

- Live Video Encoder/Decoder for one video channel with integrated 2-Mbit/s interface
- Option: Audiocodex as per ITU-T Rec. G.722 (7-kHz), G.728 (3.5-kHz), G.711 with integrated echo canceller with double talk (full duplex) capability
- Live Video encoding according to ITU-T Rec. H.261 with CIF resolution (288 lines x 352 pixels) and 15 frames per second with data rates up to 1-Mbit/s
- Two data channels for remote control of cameras
- Remote diagnostics and control possible as well as remote Software Download



## Technical Specifications

### • Video Interfaces

- Video inputs:	1 x Y/C or 2 x CVBS:	2 x Video (RCA) socket, 75-Ohm
- (Encoder)	and 1 x Y/C or 2 x CVBS:	4-Pin Mini DIN socket, 75-Ohm
-	and 1 x Y/C or 2 x CVBS:	9-Pin Sub-D socket (female), 75-Ohm
- Video outputs:	1 x CVBS:	1 x Video (RCA) socket, 75-Ohm
- (Decoder)	and 1 x Y/C:	4-Pin, mini DIN socket, 75-Ohm
-	and 1 x RGB:	9-Pin Sub-D socket (female), 75-Ohm

### • Audio Interfaces

- Audio inputs:	Microphone/Line In:	6.3 mm jack socket, 600-Ohm/47-kOhm
-	Recorder In:	1 x Audio (RCA) socket, 47-kOhm
- Audio outputs:	Line Out:	1 x Audio (RCA) socket, < 50-Ohm
-	Recorder Out:	1 x Audio (RCA) socket, < 50-Ohm

### • Video Encoder/Decoder

- Coding algorithm:	ITU-T Rec. H.261
- Picture format:	288 lines x 352 pixels (Full CIF)
- Refresh rate:	7.5, 10, 15 frames/s
- Data rate:	64-kbit/s to 1.024-Mbit/s

### • Audio Codec

- Coding standards:	ITU-T Rec. G.711 (3.1-kHz), G.722 (7-kHz), G.728 (3.5 kHz)
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### • Network Interfaces

- 2-Mbit/s:	2.048-Mbit/s 120-Ohm bal. or 75-Ohm unbal.
-	9-pin Sub-D (female)/BNC
- T1:	1.544-Mbit/s 120-Ohm bal., 9-pin Sub-D (female)

### • Data Interfaces

- Low Speed Data:	RS.232C max. 38.4-kbit/s	8-Pin, mini DIN socket
- High Speed Data:	X.21, 64-kbit/s	15-Pin Sub-D (via adapter cable)
	Delayless remote control channel for remote camera control	

### • Operator Interfaces

- PC interface:	RS.232	9-Pin Sub-D (male) (COMMAND)
- Camera control:	RS.232 or RS.485	8-Pin mini DIN (CAMERA)
- Mouse:	RS.232	9-Pin Sub-D socket (male)
- TTL/Centronics:	Parallel interface	25-Pin Sub-D socket (female)

### • Dimensions

- Height:	1.5 HU (70 mm)
- Width:	449 mm (19" rack)
- Max. depth:	280 mm
- Weight:	5 kg.

### • Power Supply

- AC Voltage:	90V...125 V and 175 V... 260 V
- Frequency:	50/60 Hz
- Power consumption:	Max. 120 W, typ. 70 W

### • CE Mark

## Ordering Information:

TITAN Compact 2M, Encoder/Decoder	451005
TITAN Compact 2M, 40 dB Encoder/Decoder	451006
TITAN Compact X.21, Enc./Dec., with Audio	451011

**AVT Audio Video Technologies GmbH**  
**Rathsbergstrasse 17**  
**D-90411 Nuernberg**  
**Tel.: +49 (0) 911 5271-0**  
**Fax: +49 (0) 911 5271-100**  
**Internet: <http://www.avt-nbg.de>**  
**Email: [info@avt-nbg.de](mailto:info@avt-nbg.de)**