

TITAN Compact i3 *Video Codec*



General

The TITAN Compact i3 encodes the video signal at up to 384-kbit/s and can be connected over its three integrated S₀ interfaces direct to the ISDN network. The TITAN Compact i3 can be used for the transmission of live video signals for video surveillance, over 3 ISDN Basic Rate Access Lines.

Functions

Up to 6 cameras and 3 monitors can be connected to the TITAN Compact i3. The TITAN Compact i3 can add and drop B Channels without interrupting the connection. It can transmit control data for, e.g. camera control, over both its LSD and HSD Data Channels. 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 signals at 384-kbit/s. The configuration of the TITAN Compact can also be remotely controlled from the TITAN Compact at the far end, via the back channel of the network.

Optionally, the TITAN Compact can be equipped with an Audio Codec Module with bi-directional, 7-kHz, Audio transmission capability.

- **Video Codec for one video channel with three integrated S₀ interfaces for data rates up to 384-kbit/s and with ISDN 1TR6 and Euro ISDN (DSS1) Protocols**
- **Integrated Inverse Multiplexer for the delay compensation of up to 6B channels with automatic synchronisation after the loss of B channels**
- **Optional: Audio Codec 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 384-kbit/s**
- **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 128-kbit/s (TITAN Compact i1)
- Data rate:	64-kbit/s to 384-kbit/s (TITAN Compact i3)

• Audio Codec

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

• Network Interfaces

- 1 x S ₀ :	128-kbit/s (TITAN Compact i1)	8-Pin, RJ45 socket
- 3 x S ₀ :	384-kbit/s (TITAN Compact i3)	8-Pin, 3 x RJ45 sockets

• 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 i3 with Audio	450101
TITAN Compact i3 without Audio	450114

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