



# TVR-1604c-2T

## TruVision™ DVR 16c, HD-TVI Hybrid 4 channel compact recorder, 2TB

### Why the TVR 16?

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The TVR 16 recorder series offers a full-featured, flexible hybrid recording solution that is ideal for (gradually) migrating an old analog video system to a modern high-resolution video system.

The TVR-1604c is a cost-effective recorder capable of recording up to 4 cameras.

As a true hybrid recorder, the TVR 16 can be used with analog, HD-TVI and IP cameras.

The recorder also supports HD-CVI (up to 4 MP) and HD-AHD (up to 5 MP) cameras.

This hybrid recorder is uniquely qualified to upgrade existing analog installations, offering a competitive, feature-rich and practical solution for the market of HD analog, standard analog and hybrid recorders.

### Open technology with powerful encoding

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Using the open HD-TVI technology, TVR 1604c can connect to any HD-TVI camera up to 5 MP over existing coax cable.

As well as HD-TVI, TVR 16 also connects standard analog cameras and allows you to reuse existing analog cameras that do not yet need to be replaced/upgraded.

Finally, TVR 16 is capable of connecting all of its channels on IP cameras (up to 4K (8 MP)), making this is a true HD Hybrid series.

The TVR 16 can use H.264 or H.265 encoding for analog, HD-TVI and IP cameras.

HD-CVI and HD-AHD cameras are supported in H.264 encoding.

### Unique intrusion integration

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TVR 16 offers free integration with IP intrusion panels (Carrier) for video verification of (alarm) events. Alarm and arming/disarming events are sent from the intrusion panel to the recorder and can trigger actions in the recorder (recording, output control, PTZ control, email) and/or send notifications to TVRMobile or TruVision Navigator. The communication between recorder and panel is also monitored.

### Applications

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The TVR 16 is suited for upgrading small sized analog video systems in (commercial) applications (residential, small offices, small shops) where high quality video is important without expensive cable costs.

### Details

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- Linux embedded Plug and Play configuration
- Supports standard analog, HD-TVI, HD-AHD, HD-CVI and IP technology
- Up to 4 analog cameras or up to 4 IP cameras (when disabling all analog channels)
- Up to 5 MP HD-TVI camera support
- Up to 8 MP (4K) IP camera support
- Support for ONVIF Profile S IP cameras
- Over-the-coax control for TruVision fixed/PTZ HD-TVI cameras
- Use existing coax cabling for HD-TVI, HD-AHD and HD-CVI cameras
- Real time Full HD recording
- Supports dual stream recording on all channels
- Up to 2 TB internal storage
- Reverse video playback
- USB video export
- Start-up wizard for quick and easy installation
- HDMI, VGA and BNC video (event only) outputs
- V-stream support
- Front panel controls
- Operations through OSD/browser/software
- Integration of Aritech IP intrusion panels via SIA/XSIA reporting
- TruVision Navigator license-free client/host or standalone application
- TVRmobile app for iOS and Android
- IP Keypad support

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### Technical specifications

#### General

Operating system	Embedded Linux
Rack mountable	No

#### Video/audio input

Camera channels	4
Analog camera channels	4
IP camera channels	4 (with all analog channels disabled)
Max. bandwidth per channel	Analog: Up to 8 Mbps (main stream)/Up to 3 Mbps (sub stream) IP: follow capacity of IP camera but will not exceed 16 Mbps
Camera bandwidth	96 Mbps (combined in/out)
Audio compression	G.711
Max. analog audio In	4-ch, RCA (2.0 Vp-p, 1 kOhm)
Supported video compression standards	H.264, H.265
Supported video streaming standards	Onvif

#### Local viewing

HDMI output	1
HDMI version	1.4
VGA output	1
BNC output	1
Max. local output resolution	Full HD 1080p
Synchronous playback OSD (channels)	Up to 4 channels
Reverse playback OSD (channels)	Up to 1 channel

#### Remote viewing

Total available viewing bandwidth	Combined in and out bandwidth of 96 Mbps
Max. live viewing streams	128
Max. simultaneous playback web browser	Up to 4 channels
Browser compatibility	Google Chrome, Internet Explorer, Mozilla Firefox, Safari

#### Storage

Storage capacity	2 TB
SATA interfaces	1
Maximum recording resolution	4 K / 8 MPX (IP), 4 MPX (HD-CVI), 5 MPX (HD-AHD), 5 MPX (HD-TVI)
Recording modes	Alarm, Event, Manual, Time-lapse high, Time-lapse low
Dual stream recording (channels)	All channels

#### Networking

Network interface cards (NIC)	1
NIC type	RJ-45 10/100 Mbps self-adaptive Ethernet interface
DNS support	DDNS, ezDDNS, No-IP
HTTPS support	Yes

#### External interfaces

USB interface back	1
USB interface front	1
Serial interface	RS-232, RS-485
Alarm inputs	4
Alarm outputs	1
Max. analog audio outputs	1

#### Electrical

Power supply value	12 VDC (external PSU included)
Power consumption without HDD (W)	Less than 15W

#### Physical

Physical dimensions	315 x 242 x 45 mm (W x D x H)
Colour	Black

#### Environmental

Operating temperature	-10 to +55°C (14°F to 131°F)
Relative humidity	10 to 90%

#### Standards & regulation

Compliance	CE, REACH, RoHS, UL
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