



## Product Data Sheet

# TVR20

TruVision™ Line DVR 20, 4-, 8-, or 16- ch. H.264 Digital Video Recorder

### Most Advanced Entry Level DVR

The TruVision™ DVR 20 (TVR 20) is a cost-effective, compact digital video recorder with 4-, 8- or 16 channel capability utilizing H.264 compression technology which offers 25 frames per channel, per second at CIF resolution. This compression technology produces small but extra high quality images. Independent setup is supported for all channels of analog recording, all up to 4CIF resolution (704 x 576).

The TVR 20 dual streaming functionality allows the user to set up different settings for recording and streaming video in live mode, TVR 20 also supports dual streaming of already recorded video.



### Ease of Use

Bringing the benefits of high end digital security monitoring to small commercial applications, the TVR 20 is equipped with a user-friendly interface supporting the eZ-Setup-Wizard function, and over a month of hard disk recording. Easy to use, install and maintain, the TVR 20 is well suited to secure a small-to-medium business environment.

### Alarm Management

External alarm inputs and motion detection trigger an alarm when movement in a user-defined area of the image is detected. The feature set also includes complete search by alarm, motion, and time and date.

### Archiving Video

Video evidence is easily archived via the built in optical drive or even an external device connected through a USB 2.0 or e-SATA port.

### Standard Features

- H.264 compression technology
- Family of 4, 8 and 16 channel DVR
- Real-time recording on all channels at CIF resolution
- CIF, 2CIF and D1 resolution supported
- Dual streaming on live and playback
- Archive via built in CD/DVD burner, USB2.0
- PTZ control by the front panel, the IR-remote control, or the included Mouse.
- VGA and composite video output
- Up to 1TB internal storage
- HDD designed for 24x7 operation and high write duty cycles
- Up to four audio inputs
- Bi-directional audio
- Web browser for remote management
- eZ-DDNS support
- User-friendly interface supporting the eZ-Setup-Wizard function

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## Specifications

Video	
Conditioning:	AGC, 0.7 to 1.4 V p-p video accepted
Horizontal resolution:	704 lines
Vertical resolution:	576 lines
Video compression standard:	H.264
TVR 2004 - Mon A	VGA - Full & Multi-Screen output
TVR 2008 and TVR 20016 - Mon A	VGA and BNC Full & Multi-Screen output, BNC connector, NTSC/EIA or PAL/CCIR compatible
Monitor B composite:	Fullscreen output, BNC connector, NTSC/EIA or PAL/CCIR compatible
Multi-Screen display TVR 2004:	Full, PiP, and quad
Multi-Screen display TVR 2008:	Full, PiP, quad and 9 up
Multi-Screen display TVR 2016:	Full, PiP, quad, 9, 10, 13 and 16 up
Recording	
Hard drive:	1-HDD SATA
Resolution:	4CIF (704x576), 2CIF (704x288), CIF (352x288) and QCIF (176x144)
TVR 2004:	100fps CIF, 50fps 2CIF, 25fps 4CIF
TVR 2008:	200fps CIF, 100fps 2CIF, 50fps 4CIF
TVR 2016:	400fps CIF, 200fps 2CIF, 100fps 4CIF
Mode:	Manual, Schedule, Motion and Alarm
Audio	
Compression standard:	G.723
TVR 2004 input/output:	2 channel, RCA/1 channel, RCA
TVR 2008 input/output:	2 channel, RCA/2 channel, RCA
TVR 2016 input/output:	4 channel, RCA/2 channel, RCA
Video Motion Detection	
Zones per camera:	352 zones per camera (22 x 16 grid)
Operation	
OS:	Embedded Linux
Languages:	EN, CS, DA, DE, ES,FI, HU, IT, NL, RU, TR, LT, SV, NO, GR, PT, SL, FR
User level:	3, Admin, Manager, Operator
Network	
Type:	10/100/1000 Base-T, RJ-45
Protocol:	TCP, IP, ARP, RARP, PPP, PPPoE, DHCP,SNMP
Others:	eZ-DDNS support
Storage Expansion	
e-SATA port:	TVR 2008 and TVR 2016 one, at the back
Supported Device:	e-SATA HDD / Storage Bay
Archive	
Audio and Video:	Via built-in CD/DVD burner, USB2.0
Connectors	
RS-232 serial port:	1 DB-9
RS-485 PTZ control port:	1
USB:	2 (1 at front and 1 at back)
e-SATA:	1
Alarm Handling	
Alarm input:	4, 8, or 16 programmable NO/NC
Alarm output:	Form C alarm relay 1, 2 or 4
Miscellaneous	
Input voltage:	100 to 240 VAC, 47 to 63 Hz (external PSU)
Power consumption:	max xx W @ 230V AC
Operating temperature:	0 to 40 °C
Dimensions (HxWxD):	81 x 362 x 338 mm
Relative humidity:	10 to 90%
Weight:	4.53 kg
Mounting:	Rack mount kit optional
Remote Software Requirements	
Intel-based PC:	1 GHz or faster
Memory:	1 GB RAM minimum
Operating system:	Windows® XP, Vista or Windows 7
Browser:	Microsoft® Internet Explorer 6.0 or later
DirectX:	9.0 or later

## Extended Features

The TVR 20 web browser allows users to observe video virtually everywhere in the world, GE Nav 3, a remote client software that comes with the unit allows multi-client viewing of live and recorded video from multiple TVR 20 DVR (Multisite View).

Hard drive sizes with 500GB and 1TB are available with the TVR 20 to fit all of your storage needs.

TVR 20 operation and PTZ can be controlled by the front panel the IR remote control, or even by the included mouse.

