

DTL960e Series

Single-Channel Digital Video Recorders

- VCR functionality with instant video retrieval
- VCR style control panel
- No tapes to manage or tape heads to clean or replace
- On-screen menus for image search
- Records and plays multiplexed video
- Programmed with common time-lapse speeds
- Alarm-activated recording
- RS-232 remote control & upload
- Audio
- S-VHS & composite inputs & outputs
- SCSI II interface for archiving
- TCP-IP Ethernet for remote viewing



The Baxall DTL960e series offers a number of single channel video recorders that operate in a similar way to a VCR. The familiar buttons on the control panel make it simple to operate and extremely user friendly.

The DTL960e, is a single channel digital video recorder offering the highest specification available within the series. Boasting features such as Ethernet and Audio, it can be used for event recording, multiplexer recording or time lapse photography. The DTL960e can record and play back video in the same way as a Time Lapse VCR and can record at speeds of up to 50 pictures per second. Precise access to recorded events through a simple on-screen search menu, eliminates time spent rewinding and fast forwarding. The DTL960e delivers crisp images, whether in play, reverse, fast forward, fast reverse or pause mode. Images can also be viewed frame by frame.

With an optional DAT or AIT storage system, recordings can be archived automatically for any number of days, weeks or even longer. Using an optional CD recorder, images and clips can be copied from the hard drive and opened again at a later date on a PC running WaveReader software (see over). The images can then be printed, enhanced or forwarded onto other recipients.

Each DTL960e can be assigned its own IP address and by using the supplied WaveReader Software, live or recorded images can be viewed on a LAN or WAN.

Other features include unlimited video viewing without image degradation, data transfer and standard VCR I/O facilities such as event timers, alarm recording, audio and S-VHS input and output.



DTL960e Series

SINGLE-CHANNEL DIGITAL VIDEO RECORDERS

Wavereader Software

WaveReader software allows the user to search and view video directly from the DTL960e video recorder using IP Ethernet. The user can view video that has been archived onto a CD or recorded onto the hard disk of a PC. Images can then be captured using Wavestudio software and printed or exported as a file.

Retrieval of stored images on the DTL960e is quick and easy by using the search screen as pictured to the right. Enter the desired time and date, click on Go and the DTL960e will instantly retrieve clear, crisp images.



When operated with WaveReader software, the DTL960e can be used to search and view video remotely or directly, either in a live picture mode or playback from the hard drive during which the DTL remains recording.

The quality of images can also be adjusted by using an image quality setup menu. This enables the user to trade off quality of picture for faster updates when the network bandwidth is restricted. Similarly image settings such as contrast, brightness and sharpness can be adjusted allowing for tailor made improvements where necessary.

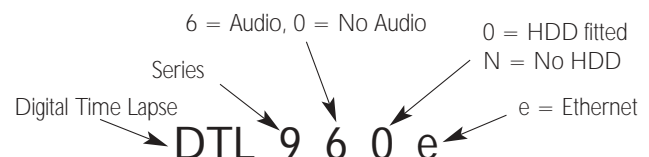
WaveReader software also includes the Wavestudio feature that enables the user to export images as bmp or jpeg files by email. WaveReader software is supplied under free licence from the Baxall website (www.baxall.com).



Visit www.baxall.com for a free download of the wavereader software

How do I work out the Product code?

The different components of units within the DTL960e series can be identified according to their product codes. For example the DTL960e is identified as follows:



Variants of DTL960e Series

The DTL960e series has a generic range of product variants. In addition to the DTL960e there are a number of hard drive options and models that come with/without audio and Ethernet.

The DTL series can be operated with a range of hard drive capacities that allows recording flexibility for the user depending on their requirements. The DTL900 offers all the functionality of the DTL960e without Ethernet or audio. For more information please contact a Baxall representative.

The following table demonstrates the recording capacity in hours of a typical DTL960e without audio using a 80GB HDD. As the hard drive capacity increases, volume space for recording expands thus creating longer recording periods.

		80GB Hard Drive										
Pictures per second		50	25	17	10	5	3	2	1	0.5	0.2	0.1
Equivalent tape capacity		3hr	6hr	9hr	12hr	24hr	48hr	72hr	120hr	240hr	600hr	960hr
Video quality (Recording time in hrs)	High	13	27	40	67	135	224	337	673	1347	3367	6734
	Medium	19	37	54	93	185	309	463	926	1852	4630	9259
	Standard	30	59	87	148	296	494	741	1481	2963	7407	14815

What can I use the DTL960e for?

Other than surveillance and security, the DTL960e has a variety of uses depending on the recording speed that is selected.

24hr event recorder

31 days continuous record

Industrial research etc



Straightforward controls

The faceplate of the DTL960e looks like a VCR, so operation is simple.

Instant searches

One button starts your search. Specify a combination of time, date, camera or alarm, and the video you want appears instantly and begins playing.

Easy setup

On-screen menus make setting up and operating the DTL960e simple.

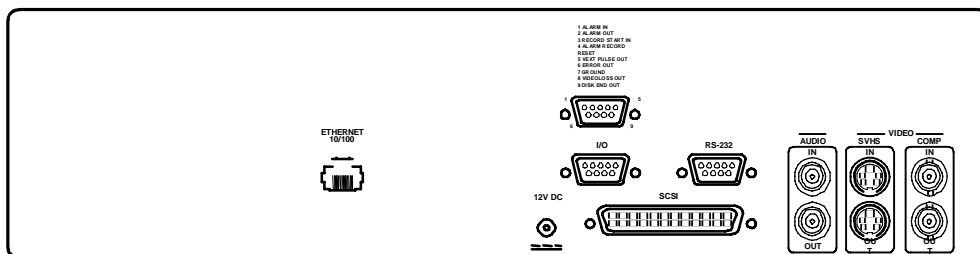
Jog shuttle dial

Just like a VCR, you can advance or rewind images rapidly or frame by frame - but with no distortion.

DTL960e Single-Channel Digital Video Recorder

Technical specifications

Product Code	DTL960e/XX - where XX = hard disk drive capacity in GB
Video	
Video Colours	YUV 4:2:2, 16.8 million colours
Grayscale	256 levels
Horizontal Resolution	720 pixels
Vertical Resolution	576 lines PAL/CCIR
Signal Format	NTSC/EIA or PAL/CCIR
Storage	
Hard Drive Capacity	Currently 40GB, 80GB and 160GB options - a second drive can be added
Recording Speeds	50, 25, 17, 10, 5, 3, 2, 1, 0.5, 0.2, 0.1 pictures per second: event
Archive	DAT or AIT or CD-Recorder One SCSI, DB 50-S-SCSI (reversed) Contact Baxall for recommended models
Connections	
I/O Port	9 way D type connector: Alarm input and output, Record Start in, Alarm Record reset, VEXT Pulse out, Error out, Ground, Video Loss out, Disk End (5 minutes) out
RS-232	9 way D type, male, 3-wire, N-8-1, baud rate selectable in menus
Composite Video	BNC connectors, one each input and output
S-VHS	Mini DIN connectors one each input and output
Audio	RCA connector
Network	RJ45 connector for 10/100 BaseT Ethernet
Remote Control	
Via RS-232	Allows control from PC or multiplexers and software upgrades, remote control of front panel buttons, modem connection
Power Supply	
Input Voltage	12 VDC, 90 V-264 V AC/DC adapter included
Power Consumption	35W nominal
Mechanical	
Dimensions W x D x H	330 x 343 x 89 mm, (13 x 13.5 x 3.5 in). 2U rack height
Weight	2.3 kg (5 lbs) with single hard disk
Environmental	
Operating Temperature	0 to 40° C
Operating Humidity	90% max. relative humidity, non-condensing



The manufacturer reserves the right to alter price or specification without prior notice.

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