

# VR320

48-CHANNEL DIGITAL LOGGER

**Eventide**

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#### THE RELIABILITY IS BUILT IN

One key to confidence in the VR320 logging recorder is Eventide's complete control over the hardware and software platforms. Other manufacturers make logging recorders out of modified computers and must rely on the care taken by the PC manufacturer for reliable hardware and the quirks of giant operating system software companies for their program's performance. Eventide has a better approach: we build and test every unit shipped. And, since our proprietary software resides in nonvolatile chips on our motherboard, a rare event of an internal hard disk failure won't prevent the logger from recording. Furthermore, Eventide's control over upgrades and enhancements gives us the opportunity to offer updates to existing units, insuring that every logging recorder in the field has a long and productive life.\*

#### NETWORK CONVENIENCE WITHOUT NETWORK VULNERABILITY

While the model VR320 logging recorder is designed as an easy-to-use, self-contained unit that can be controlled from the front panel,

it can also be accessed over an existing or a dedicated network. Eventide's Network Access application can be installed on any PC on the network. Complete access to all search and play functions is available from the PC, over the network, without being directly linked to the internal operation of the logger. Since the VR320 is a self-contained recorder, network crashes won't disturb the recording of your valuable archives.

#### CALL RECORDS DATABASE

Standard in all VR320 recorders, the Call Records Database can be accessed from the front panel of the logging recorder, from a PC over a network connection, or from a stand-alone PC running ArchiveReview™ software. Call data includes time, date, duration, DTMF or CLID data, channel descriptor, and channel number. Custom applications can be accommodated if additional data is needed (such as PIN numbers or other user identification). To make searching and sorting through communications fast and easy, Eventide stores each record on the hard disk and medium in the

order it was received. With a few quick clicks the operator can recreate events, compile comprehensive call records, find specific users, sort, search, play, and edit.

#### CUSTOMIZE TO FIT YOUR APPLICATION AND BUDGET

##### CHOOSE A SINGLE OR DUAL ARCHIVE DRIVE CONFIGURATION

- 9.4 gigabyte DVD-RAM: DVD-RAM represents the state-of-the-art for archive storage and retrieval. The 1260 channel-hour capacity makes this medium perfect for storing multiple channels of high volume traffic on a compact and nearly indestructible fast-access disk.

- DDS-3 Cassette: Store up to 1600 hours per DDS-3. To ensure that the tape drive mechanism remains dependable, Eventide developed the exclusive SafeDrive™ buffering system. It's designed to minimize the wear and tear of hundreds of starts and stops that typical tape drives undergo.

##### CHOOSE ON-LINE STORAGE CAPACITY

On-line, hard disk storage is an important feature for anyone who needs immediate access to a database of voice recordings.

With the VR320, you can choose the amount of on-line storage that's right for you all the way up to 9600 hours.

##### CHOOSE CHANNEL CAPACITY

Eventide's model VR320 logging recorder can be configured in 8-channel steps with a 48-channel maximum capacity in a single unit. All models can be easily upgraded in the field making the addition of channels painless and inexpensive. Multiple logging recorders can also be "stacked" to provide a virtually unlimited channel configuration which can be accessed seamlessly over an existing or dedicated LAN.

##### CHOOSE EVENTIDE

For over 30 years, Eventide has been committed to research and technological innovation. Thousands of customers around the world in mission critical operations, such as emergency call centers, air traffic control, and financial systems rely on Eventide. For more information about the VR320, call Eventide direct at 201-641-1200 or see our web site, [www.eventide.com](http://www.eventide.com).

\*Virtually every Eventide VR320 or VR240 logger can be upgraded to the latest specifications, features, and software version. Call for more information about your specific recorder.

## KEY FEATURES

COMPACT STANDALONE DIGITAL  
LOGGER, NOT A PC

FULL FRONT PANEL CONTROL AND  
FULL REMOTE CONTROL

FIELD UPGRADABLE FROM 8 TO 48  
CHANNELS

USER UPGRADABLE SYSTEM O/S  
RESIDES IN NON-VOLATILE ROM,  
NOT ON THE INTERNAL HARD DISK

SIMULTANEOUS RECORD AND PLAY  
FROM INTERNAL HARD DISK OR FROM  
ARCHIVE MEDIA

DSP BASED INPUT CARDS DETECT DTMF  
AND CLID FOR INCLUSION INTO  
INTERNAL CALL RECORDS DATABASE

SEARCH FOR CALLS, TAG CALLS  
AND PRODUCE A CALL LIST FROM  
THE FRONT PANEL

MULTILEVEL SECURITY AT THE FRONT  
PANEL AND AT REMOTE PCS

BUILT IN ETHERNET CONNECTION  
FOR EASY REMOTE CONTROL WITH  
NETWORK ACCESS SOFTWARE FROM  
ANY PCS CONNECTED ON A LAN

EXTERNAL CALL DATABASE FOR EASY  
SORTING AND FILTERING OF CALLS  
BY USER DEFINED PARAMETERS

INSTANT RECALL FROM FRONT PANEL  
OR NETWORK ACCESS PC'S

PRINT CALL RECORDS, ERROR LOGS  
AND HISTORY LOGS

PROGRAMMABLE ARCHIVE  
PROTECTION PREVENTS PREVIOUSLY  
RECORDED MEDIA BEING RECORDED  
OVER OR FORMATTED

ARCHIVEREVIEW™ SOFTWARE  
PROVIDES PLAYBACK OF RECORDED  
ARCHIVE MEDIA FROM ANY PC

**Eventide**



## SPECIFICATIONS

### SYSTEM CONFIGURATION

#### Archive drive (1 or 2)

9.4GB DVD-RAM drive-disk size  
and capacity (double-sided):

9.4GB: 1260 channel hours  
DDS-3 Tape Drive: 1600 channel  
hours

#### Number of channels

8, 16, 24, 32, 40, or 48

#### Maximum on-line storage

9600 channel hours internal  
62,000 channel hours with  
external hard disk array

#### Mounting options

19" rack mount or desktop

#### INTERNAL HARD DISK DRIVE

##### Hard disk capacity

Standard: 2500 channel hours

Optional: 4900 or 10,000  
channel hours

(Frequently changes, call for  
latest specifications.)

##### Back up record buffering

Up to full capacity of disk

##### Instant recall

Yes

##### Normal record buffering

DVD-RAM drive: 1.2 channel hours

Tape drive: 3 channel hours (exclu-  
sive SafeDrive buffering employed to  
extend life of tape drives)

#### CALL RECORDS DATABASE

Data stored Time, date, duration,  
telephone number (DTMF or CLID),  
channel descriptor, channel number

#### SEARCH/PLAY/MONITOR

Search on-line and archived data

Remote: Search call records by  
time/date, channel number, dura-  
tion, telephone number (DTMF  
or CLID), optional code, between  
two points in time, between  
specified dates

Front panel: Commands to view,  
tag, and play the internal call-  
list; alternatively, search by  
time/date, next message, chan-  
nel number, or saved message

#### Search times

9.4 DVD-RAM: Milliseconds  
DDS-3 DAT: Average 35 seconds  
Internal hard disk: Milliseconds

Play back or live monitor Mix  
any combination of 4 channels

#### Simultaneous record and play

Yes  
Audio outputs Internal front  
panel speaker, external speaker,  
headphone, line

#### FRONT PANEL INTERFACE

Display 4 line x 40 character  
backlit LCD

#### Soft keys\* 4 variable function

Function keys\* Recall, Info,  
Setup, Drive, Home, and More  
Transport control keys\*\*  
Record, Play, Rewind, Fast  
Forward, Stop, Eject

Keypad\* 12 keys including Quit

Cursor\* 4 directional control keys

\*Backlit when available

\*\*Backlit when active

#### Channel indicators

48 channel-status line on LCD

#### Individual Drive Status LEDs

Select, Record, Full/Almost  
Full, Clean, Fault

#### Audio and Relay 3.5mm jack

for alarm/rerecord relay  
3.5mm jack for audio line out  
1/4" jack for headphones

#### REAR PANEL CONNECTIONS

Network  
10BASE-T (10 Mbps) twisted pair  
10BASE-2 (10 Mbps) coax

#### RS232/RS485

For use with optional label  
printer, time synchronization,

and PC Remote software control

External SCSI For optional  
external hard disk array

#### Audio

1/4" phone jack for lineout  
1/4" phone jack for external  
speaker

#### TELEPHONE INTERFACE

FCC-approved, internal,  
selectable beep by channel

#### REMOTE CONTROL

TCP/IP Ethernet using Eventide  
Network Access Software.  
PC via RS485 link using  
Eventide PC Remote Software  
PC via web browser software  
and TCP/IP connection

#### SECURITY

Multi level password

#### AUDIO AND VISUAL ALERTS

System or Drive Fault, Tape  
Almost Full, Tape Full(config-  
urable relays available for  
remote alarm)

#### INPUT CHARACTERISTICS

##### Frequency response

300 to 3400 Hz

Signal to noise ratio 50 dB typical

Crosstalk -60 dB typical

Wow and flutter Unmeasurable

Input impedance 10K

##### Automatic gain control (AGC)

10 milliseconds attack time  
100 milliseconds release time

##### Adjustable VOX

Threshold and Hold Time

Record initiation VOX, Off-hook,  
External, Continuous, Trigger

Sampling rate 8kHz, 8Bit

#### DATA COMPRESSION

Selectable: 16, 32, or 64 Kb/sec

#### SERIAL DATA RECORD

2 Channels 1200 to  
19,200 Baud

#### SYSTEM DIAGNOSTICS

Self Test, Error Log, History  
Log, System Monitor

#### PHYSICAL DIMENSIONS

W: 17"/432mm

H: 5.25"/133mm

D: 17.5"/445mm

#### WEIGHT

Unit weight: 31lbs/14kg

Shipping weight: 42lbs/19kg

#### INTERNAL TIME CODE

Resolution 1 second

Accuracy 2 seconds per day

External time sync RS485/RS232  
format 0, 1, or 2

IRIG-B (optional)

#### POWER

90V to 130V or 180V to 250V,  
47Hz to 63Hz, 260W, optional  
48V DC

#### ACCESSORIES

PC workstation, Eventide  
Network Access software,  
ArchiveReview™ PC Reproducer  
software package with or with-  
out SCSI drive, label printer,  
play-only unit, desktop enclo-  
sure, quick-install kit

#### OPTIONS

Larger capacity hard disks,  
8-channel hi-fi input board  
T-1 Telephone Interface board

#### MEDIA 9.4GB Rewritable

DVD-RAM, DDS-3 tape

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