

SECTION 4 VIDEO FILE SERVER SYSTEM

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VSR-2000112
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1. Multichannel video file server system

VSR-2000

Multi Access Vide and Audio Server

•Incorporates MPEG-2 (Main Profile @ Main Level) encoder, decoder, and storage device in a compact body •For optimum encoding, the bit rate can be selected to be 4 Mb/s, 6 Mb/s, or 8 Mb/s •Clips encoded at different bit rates can be stored in the same server •Back-to-back playout without black •Five hard disk units incorporated •Auto Data Rebuild by RAID Level 3 technology •Hot-swappable hard disks •Trimming function allows playout from specified In Points and Out Points •Shuttle function provides quick Search and Pause •Equipped with an RS-232C or RS-422A interface for control •Five slots for optional I/O boards allows flexible configuration •Optional output boards provide analog (composite, component, R/G/B) or SDI signals •The MPEG-2 file data can be transferred via Ethernet (10Base-T or 100baseT). •DVB-ASI ready

Optional accessories:	BKSR-2020	SDI MPEG Encoder Board
	BKSR-2021	Analog MPEG Encoder Board
	BKSR-2030	SDI MPEG Decoder Board
	BKSR-2031	Analog MPEG Decoder Board
	BKSR-2070	100BaseT Board
	BKSH-209G	9GB HDD Unit
	BKSH-218G	18 GB HDD Unit
	BKSH-236G	36 GB HDD Unit
	RMM-2000	Rack Mount Kit
	BZSR-2000	Playout Control Software

Specifications

Input (Encoder) (1ch)

Video

Signal	(BKSR-2021): Analog composite (1ch): BNC (x1), Roop through: BNC (x1) (BKSR-2020): SDI (1ch): BNC (x1), Roop through: BNC (x1)
Encode format:	MPEG-2 MP@ML
Bit rate:	4.0/6.0/8.0 Mb/s
Image size:	ITU REC 601 NTSC: 720 pixels x 480 lines PAL: 720 pixels x 576 lines
Aspect ratio:	4:3

Audio

Signal	(BKSR-2021): Analog (2ch): XLR 3-pin (x2) Female (BKSR-2020): SDI (4ch) (Embedded with video)
Encode format:	MPEG-1, Audio layer II
Bit rate:	384 Mb/s
Sampling frequency:	48 kHz

Output (Decoder) (4ch, Max. 5ch)

Video

Signal	(BKSR-2031): Analog composite (1ch): BNC (x2) Analog component (1ch) or RGB (1ch): BNC (x3) (BKSR-2030): SDI (1ch): BNC (x1)
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Audio

Signal	(BKSR-2031): Analog (2ch): XLR 3-pin (x2) Male (BKSR-2030): Digital (2ch): SDI-embedded Analog (2ch): XLR 3-pin (x2) Male
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Hard Disk Drive Unit

Storage Capacity

BKSH-209G:	9 GB (x5): 45 GB
BKSH-218G:	18 GB (x5): 90 GB
BKSH-236G:	36 GB (x5): 180 GB

Control Signal

REMOTE:	D-sub 9-pin RS-232C (Male)/ RS-422A (Female) switchable
VTR REMOTE:	D-sub 9-pin RS-422A (Female)

General

Power requirement:	AC100 V to 240 V, 50/60 Hz
Power consumption:	500 W
Dimension (w x h x d):	424 x 221 x 655 (mm), 16 3/4 x 8 3/4 x 25 7/8 (inches)



2. Multichannel video file server system accessories

BKSR-2020

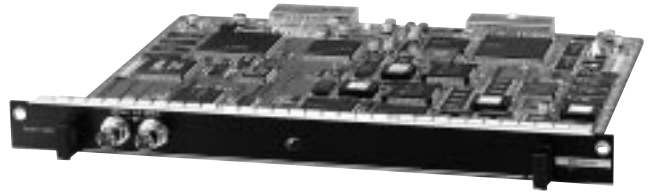
SDI MPEG Encoder Board

- Allows input of SDI (1ch, BNC x 1)

Roop through: BNC (x1)

Audio

SDI (4ch) (Embedded with video)



BKSR-2021

Analog MPEG Encoder Board

- Allows input of analog composite (1ch, BNC x 1) and Roop through: BNC (x1) Analog component (1ch, BNC x 3)

Audio

Analog (2ch): XLR 3-pin (x2) Female

BKSR-2030

SDI MPEG Decoder Board

- Decodes MPEG-2 data and converts it to SDI (1ch) (BNC x2)

Audio

Digital (2ch): SDI embedded

Analog (2ch): XLR 3-pin (x2) Male

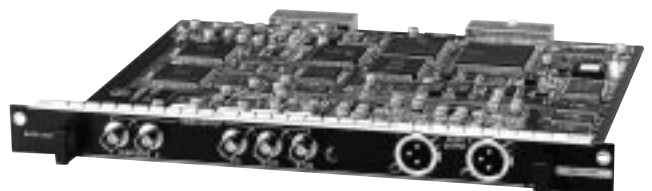
BKSR-2031

Analog MPEG Decoder Board

- Decodes MPEG-2 data and converts it to analog composite (1ch, BNC x 2) and analog component or RGB signal(1 ch, BNC x 3)

Audio

Analog (2ch): XLR 3-pin (x2) Male



2. Multichannel video file server system accessories

BKSR-2070

100BaseT Board

- Allows high-speed data transfer via Ethernet of 100Base-TX

BKSH-209G

9GB HDD Unit

- A hard disk drive unit with a storage capacity of 9 GB, designed to be used in the VSR-2000.

Recording Time

When installed with 9 GB HDD (BKSH-209G)	
In case of recording at 4 Mbps	Approx. 15 hrs.
In case of recording at 6 Mbps	Approx. 11 hrs.
In case of recording at 8 Mbps	Approx. 8 hrs.

BKSH-218G

18 GB HDD Unit

- A hard disk drive unit with a storage capacity of 18 GB, designed to be used in the VSR-2000.

Recording Time

When installed with 18 GB HDD (BKSH-218G)	
In case of recording at 4 Mbps	Approx. 29 hrs.
In case of recording at 6 Mbps	Approx. 21 hrs.
In case of recording at 8 Mbps	Approx. 15 hrs.

BKSH-236G

36 GB HDD Unit

- A hard disk drive unit with a storage capacity of 36 GB, designed to be used in the VSR-2000.

Recording Time

When installed with 36 GB HDD (BKSH-236G)	
In case of recording at 4 Mbps	Approx. 58 hrs.
In case of recording at 6 Mbps	Approx. 41 hrs.
In case of recording at 8 Mbps	Approx. 30 hrs.

2. Multichannel video file server system accessories

BZSR-2000 (V1.0)

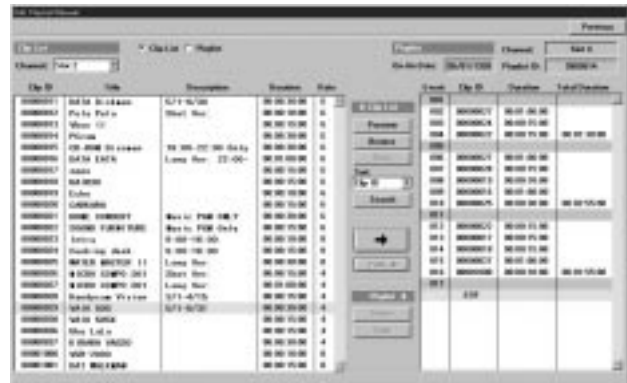
Playout Control Software

•Playout control software of the VSR-2000 •Incorporates all the basic functions for Encoding, Clip Management, Playlist Creation, and Olayout Monitoring of the VSR-2000

BZSR-2000 (V2.0)

Additional Features

- Multi Input (up to 3ch)
- External TC Synchronixed Playback
- Playlist Distribution via Network
- 3PCs Configuration
- Analog input Board support
- Shuttle/Pause/Step Function
- Trimmed Clip Playback
- Encode Monitor
- Playlist Distribution via Network
- And Playback Automatically



RMM-2000

Rack Mount Kit

•Rack mount kit for the VSR-2000 •Conforms to EIA standard 19-inch rack size

