ZAXTAR® and ZAXiO®

ZAXTAR and *ZAXiO* are high perform-ance disk recorders that capture and playback a wide range of digital video formats including HDSDI, SDSDI and Dual link. Both apply ZLC mathematically lossless compression to the captured video in real time, so that the video files are one half to one third of the corre-sponding uncompressed video files. ZLC is completely reversible, so the quality of

Storage 3TB, 3U chassis, 6.5 hours
Price quote upon request
Storage 12TB, 4U chassis, 26 hours
Price quote upon request

ZAXTAR has internal SATA Disks which have been configured to RAID 50 for storing video and audio, therefore, even when a disk fails, the data will not be lost. Video is captured into AVI files. DPX files can be played back in real time to output RGB video or YUV video.

ZAXiO does not have local storage. All data are stored in the SAN storage using Fiber Channel card or iSCSI storage using 10 gigabit Ethernet.

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UNDERSTANDING ZLC™ AVI

AVI is a wrapper file created by Microsoft. Zaxel has incorporated the ZLC codec into AVI files. ZLC AVI can be written and read by any application that handles AVI using standard AVI API's. Zaxel extended this format to support 10 bit and 8 bit SD-SDI, HD-SDI and Dual Link HD-SDI Zaxel video with 8 channels of audio and time code. Additional audio channels can be added. Zaxel has verified that Premiere® Pro, After Effects®, and Windows Media® Player can read and write ZLC AVI. Verification of ZLC AVI by Avid®, Final Cut Pro®, and other will be done in the future.

Specifications

Video Formats

8-bit and 10 bit, YUV 422, RGB 444

File format: AVI, DPX

SD 525i/29.97, 625i/25

HD 1080i/25, 29.97, 30

720p/23.98, 24, 29.97, 30, 50, 59.94, 60

1080psf/23.98, 24, 25, 29.97, 30

1080p/24, 25, 29.97, 30

HD Dual 1080p/50, 59.94, 60

2K 2048 X 1080p/23.98, 24

2048 X 1080psf/23.98, 24

2048 X 1556psf/14.98, 15

Audio 24bit, 48KHz, AES 8 channels/ Embedded 8 channels

RS 422 Master and Remote

Time code VITC, Analog LTC, Serial LTC

Genlock Trilevel

Storage RAID 50, 3TB: 6 hours, 12TB: 26 hours, at 2048 X 1080, 24 fps, 10-bit, RGB 444

OS Disk mirror

Power supply redundant

Analog video HD/SD

Downconversion HD to SD

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