



Patented Mathematically Lossless Compression

More Storage

Faster Transfers

Conserve Bandwidth

Save Time & Money

ZAXTAR® 4K

ZAXTAR 4K is a high performance disk recorder that capture and playback a wide range of digital video formats including 4K, Dual link, HDSDI, and SDSDI. It applies ZLC mathematically lossless compression to the captured video in real time, so that the video files are one half to one sixth of the corresponding uncompressed video files. ZLC is completely reversible, so the quality of the image is not degraded.



Storage 3TB, 2X3U chassis, 2 hours of 4K
Price quote upon request
Storage 12TB, 2X3U chassis, 8 hours of 4K
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.

Sunnyvale Office
Zaxel Systems, Inc.
1366 Bordeaux Drive
Sunnyvale, CA 94089
408.541.9488 info@zaxel.com

Tokyo Office
Zaxel, Inc.
Kayabacho Nisshoku Bldg. 1 fl.
Nihonbashi-Kayabacho 1-7-7
Chuo-ku, Tokyo, Japan 103-0025
+81-3-5847-2622

Burbank Sales & Support
Zaxel Systems, Inc.
818.917.9300



Patented Mathematically Lossless Compression

More Storage

Faster Transfers

Conserve Bandwidth

Save Time & Money

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

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

4K Four times of HD and 2K in resolution
(use 2 servers)

File formats AVI, DPX (play back only)

Stereo play back SD, HD, 2K (use 2 server)

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

RS 422 Master and Remote (not in 4K)

Time code VITC, Serial LTC

Genlock Trilevel

Storage RAID 50, 3TB: 2 hours, 12TB: 8 hours, at 4096 X 2160, 24 fps, 10-bit, RGB 444

Analog video HD/SD

Downconversion HD to SD

Sunnyvale Office
Zaxel Systems, Inc.
1366 Bordeaux Drive
Sunnyvale, CA 94089
408.541.9488 info@zaxel.com

Tokyo Office
Zaxel, Inc.
Kayabacho Nisshoku Bldg. 1 fl.
Nihonbashi-Kayabacho 1-7-7
Chuo-ku, Tokyo, Japan 103-0025
+81-3-5847-2622

Burbank Sales & Support
Zaxel Systems, Inc.
818.917.9300