

JPEG Compression Recording from 10 Cameras



Description:

- Record from 10 GigE Vision cameras.
- Resolution at 1280 x 1024 x 50 frames per second.
- Record to JPEG compressed at 75% quality.
- Record up to 175 hours per camera.
- Aggregate all 10 GigE streams to a single 10 GigE fiberlink switch.

Performance:

- StreamPix multiple camera DVR software.
- CUDA JPEG compression module optimized for Nvidia video cards.
- Pre/Post module allowing to select specific times to record.
- Reduce storage space by 90% with JPEG compression.

StreamPix based recording solution records from 10 GigE Vision cameras simultaneously at 50 frames per second at a resolution of 1280 x 1024 per image. Each image is real time JPEG compressed using the StreamPix CUDA compression module. The compression is performed directly to JPEG, using a 75% lossy compression quality. The main advantage from this type of compression is image quality and added recording time varying by a factor of 10 to 15 compared to uncompressed recording. Using the NorPix real time compression, optimized with the Nvidia CUDA graphics processor, we can reach recording times of over 175 hours per camera on a 4 Terrabyte disk drive.

NorPix provides support for over 200 different types of machine vision cameras. Please consult our web site for more information.

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