

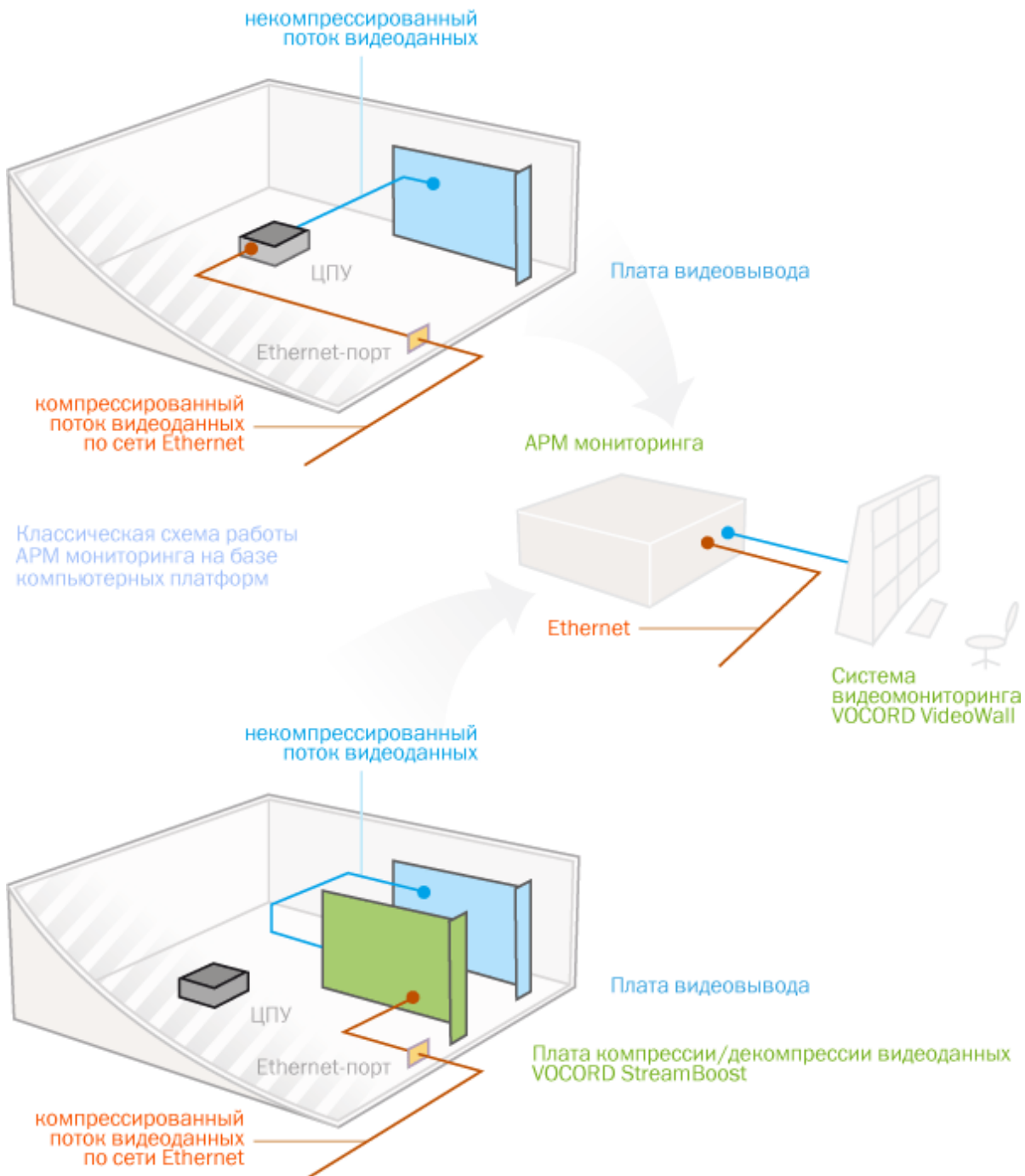
# StreamBoost

## Technology for hardware compression/decompression of digital video streams

The StreamBoost technology provides high performance during parallel work with a big number of high-resolution video channels.

The [JPEG2000](#) standard features high compression ratio and excellent quality of compressed images. However, the complexity of calculations used in the algorithm makes unpacking video data heavily resource-consuming. To ensure high performance of video monitoring stations, the StreamBoost technology is used.

Powering your system with StreamBoost includes installing PC boards and software for decoding and playing video. The boards act as hardware accelerators for video stream decoding. The StreamBoost technology frees PC resources that are normally used for decompressing JPEG2000 video streams by performing this task at the hardware level.



StreamBoost allows the use of workstations that consist of computers with minimal performance requirements, each equipped with 2-4 displays.

Combined with modern PC platforms, the StreamBoost technology can be used for building high-performance feature-rich systems for monitoring and retrospective video analysis. A single system supports up to 6 displays with total resolution up to 24M pixels and simultaneous playing of up to 16 videos in D1 format (720 x 576 pixels, 25 fps) or 32 videos of the 2CIF format (720x288 pixels, 25 fps).