

Epsio Zoom

UHD-TV BENEFITS IN AN HD WORLD

EPSIO MODULE

Sports television can now be greatly enhanced by using 4K cameras and using the enhanced resolution to zoom in for crystal clear, highly detailed HD coverage. Epsio Zoom delivers this benefit inside a familiar workflow – the XT3 servers and LSM control panels used in virtually every remote production truck worldwide.

LIVE ZOOMING

Ultra High Definition video offers four times the pixels of today's HD: 3840 x 2160. In fact, because UHD-TV video can only be progressively scanned, it actually offers eight times the detail of 1080i.

Today's savvy sports fans want to see detail: to understand what has happened and to appreciate the skills of the players. Now you can give them all the detail they seek by shooting with 4K cameras, then zoom into the image. You can focus on the critical parts of the picture, without losing quality.

Just as the Super Slow Motion camera transformed replays by providing more temporal

details – more pictures to work with – 4K cameras now provide more spatial details – more pixels to work with.

EVS, which leads the industry in live production servers and replay technology, now delivers a simple solution to 4K zooming: Epsio Zoom. It's built on the XT3 servers which are the industry standard for replays, and uses the same LSM control panels that operators over the world are familiar with.

XT3 servers are already 4K ready, so channels just need to be designated to 4K capture. The replay operator simply defines the part of the high resolution image to be

shown in HD. You can zoom into a clip, and you can track the action during a clip if required.

The HD window and any movement is saved as metadata with the clip for later recall. Once the window is defined, the operator uses the standard LSM controls to cue the clip and play it.

Epsio Zoom has been developed from pioneering work done with major sports broadcasters and federations in North America, Europe and Japan. Now it's a product available to all EVS users who want to enhance and enrich coverage without adding production staff or complicating workflows.



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PRODUCTIVITY

- each XT3 server can support three 4K channels: two record and one replay, or one record and two replay
- Epsio Zoom interfaces directly with XT3, so one operator can control two zooms on a single device
- dedicated Epsio Zoom hardware and software can go live to air with realtime zoom replays, or save zoomed clips to XT3 servers for later replay
- all control via the familiar LSM user interface for minimal training

IMMEDIATE BENEFITS

- works with existing XT3 servers – no need for extensive re-investment
- delivers uncompromised quality and real advances in production values – a significant commercial advantage
- allows producers and remote broadcast companies to benefit from 4K today while tracking the technology for tomorrow
- viewers get a better, more detailed, more involving experience, making your coverage more compelling



Europe, the Middle East & Africa
+32 4 361 7000

North America
+1 973 575 7811

Latin & South America
+52 55 46 31 22 00

Asia & Pacific
+852 2914 2501

Other regional offices
www.evs.com/contact



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