

SloMo Replays and Recording for NLE

Powerful and affordable solutions





About slomo.tv

Established in 2007, **SLOMO.TV** produces cost-effective server-based solutions for 4K/3G/HD multi-channel recording, instant slow motion replays, live production and **videoReferee®** systems for sports video-refereeing.

- MORE THAN 15 YEARS EXPERIENCE ON THE MARKET
- INNOVATIVE, POWERFUL AND AFFORDABLE SOLUTIONS
- PERFECTLY SUITED FOR TV SHOWS, EVENTS, SPORTS AND E-SPORTS COMPETITIONS
- COOPERATION WITH SPORT LEAGUES AND FEDERATIONS OF MORE THAN 20 COUNTRIES
- EXTENSIVE SERVICE AND SUPPORT EXPERIENCE

PERFECTLY SUITED FOR SMALL, MEDIUM AND REASONABLY LARGE-SCALE TV PRODUCTION



Slomo.tv solutions. Distinctive features

HIGH-PERFORMANCE, AFFORDABLE AND TIME-TESTED TECHNOLOGIES

- The highest number of 4K/3G/HD recording channels in one server
- Permanent software licenses for Replay, Recording and VAR systems
- Flexible system architecture and wide range of options
- DMR™ – Proprietary recording technology for NLE
- Unique world's fastest interface – one skilled replay operator handles 12-15 channels
- Support for all camera types, resolutions and the majority of codecs
- Support for SSM cameras in various combinations
- Academy – unique slomo.tv training simulator



Replay mode

DO INSTANT SLOMO REPLAYS. CREATE SUMMARY AND HIGHLIGHTS

- Fast, user-friendly and high-performance interface
- Simultaneous search on all channels
- Automatic playlists and clips creation during Instant Replays
- Networking and integration into network environment
- Support for SSM cameras from most manufacturers
- Export and import of clips and playlists without external equipment
- Built-in and separate Multiviewers
- MultiSkin function – One monitor to display different interfaces and switch between them
- Multipurpose use of the 2nd SDI output

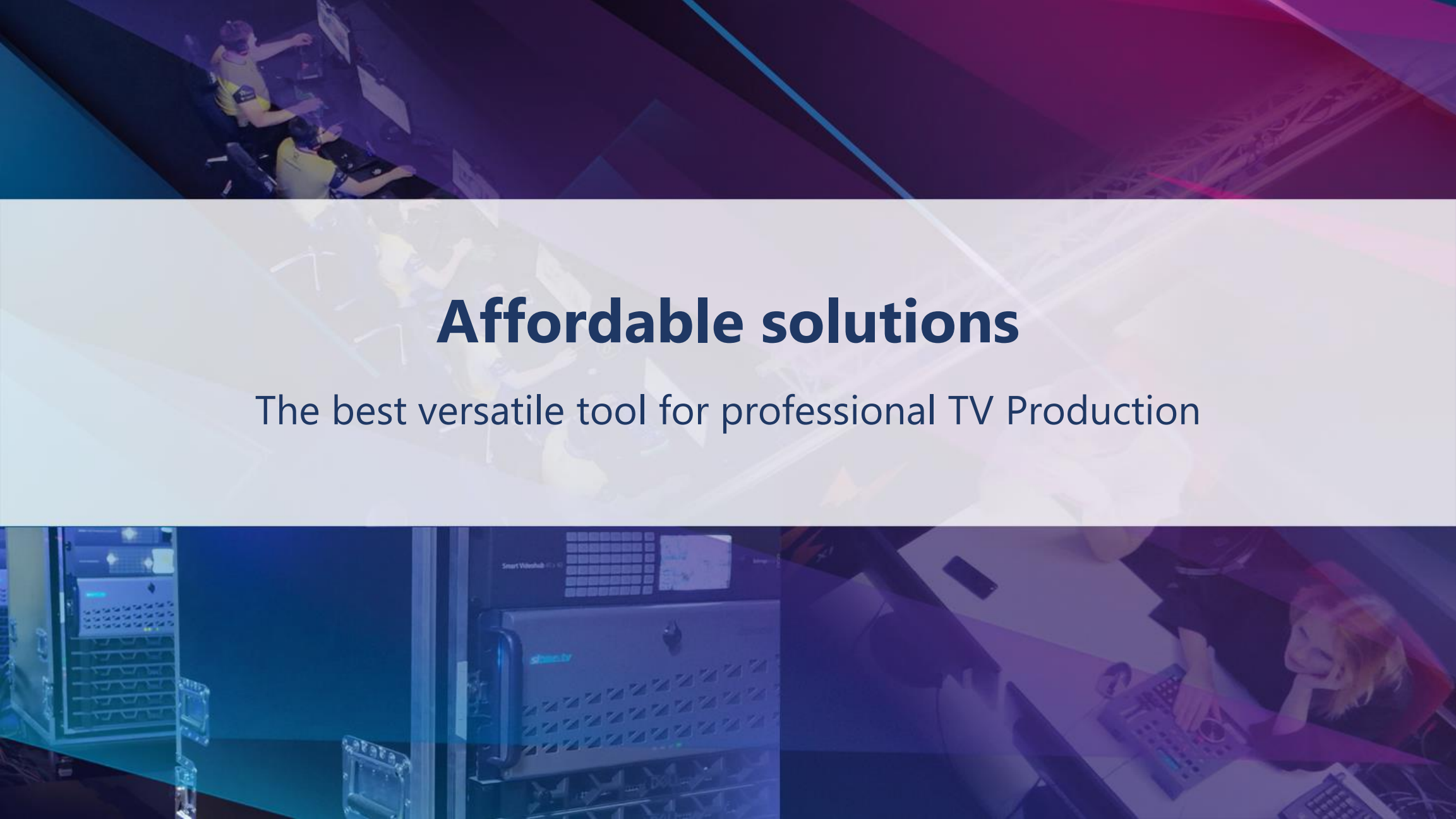
Recording for NLE mode

RECORDING FOR NLE – RELIABLE, SIMPLE, FAST

- DMR™ technology – Direct recording of non-linear editing files to any file storage. This is done in parallel with recording to the server built-in storage
- Simultaneous recording of both full resolution and SD Proxy video files with DMR™
- Specialized toolless/trayless Racks for 3.5" SATA HDDs, located on server's front panel
- 1/10GbE network interfaces
- Support for growing files when recorded with DMR™
- Export to XDCAM 50 included in the basic configuration



SLOMO.TV SERVER with
Dedicated Multiviewer PGM+PVW+16LIVE+16REC
Built-in Multiviewer in the interface PGM+PVW+16LIVE



Affordable solutions

The best versatile tool for professional TV Production

Arrow III

8 bi-directional SDI I/O

Replay mode configurations

- **HD:** 772 (7 Rec + 7 Search + 2 Play + FX)
- **3G:** 662 (6 Rec + 6 Search + 2 Play + FX)

Recording for NLE

- **3G/HD:** 6/8 channels with DMR™

3 built-in 3.5" SATA HDD Racks.

High-speed 10GbE interface. SSD-based disk system

Control-ZR control panel included



Arrow V

GREAT ALTERNATIVE TO LARGE 4U-6U SYSTEMS

16 bi-directional SDI I/O

Replay mode configurations

- **3G/HD:** 14142 (14 Rec + 14 Search + 2 Play + FX)

Recording for NLE

- **3G:** 8 channels with DMR™
- **HD:** 14 channels with DMR™

3 built-in 3.5" SATA HDD Racks. SSD-based disk system

Two independent 662/772 workplaces. 1GbE interface

Control-ZR control panel included





Powerful 4K/3G/HD servers

For eSports, large-scale TV shows and events

Fulcrum AT/12G

8 bi-directional SDI I/O

Replay mode configurations

- **3G/HD:** 772 (7 Rec + 7 Search + 2 Play + FX)
- **4K:** 442 (4 Rec + 4 Search + 2 Play + FX)

Recording for NLE

- **3G/HD:** 8 channels with DMR™
- **4K:** DMR™ – 3 channels, Export – 6 channels

One workplace. 4 built-in 3.5" SATA HDD Racks

Control-ZR control panel included



Fulcrum ATM/12G

12 bi-directional SDI I/O

Replay mode configurations

- **3G/HD:** 11112 (11 Rec + 11 Search + 2 Play + FX)
- **4K:** 442 (4 Rec + 4 Search + 2 Play + FX)

Recording for NLE

- **3G/HD:** 12 channels with DMR™
- **4K:** DMR™ – 3 channels, Export – 6 channels

Two independent 552 workplaces

4 built-in 3.5" SATA HDD Racks. Control-ZR control panel included



Dominator AT/3G

16 bi-directional SDI I/O

Replay mode configurations

- **3G/HD:** 14142 (14 Rec + 14 Search + 2 Play + FX)

Recording for NLE

- **HD:** 16 channels with DMR™
- **3G:** 10 channels with DMR™

Two independent 772 workplaces for 3G/HD

8 built-in 3.5" SATA HDD Racks. Control-ZR control panel included



Dominator AT/12G

16 bi-directional SDI I/O

Replay mode configurations

- **3G/HD:** 14142 (14 Rec + 14 Search + 2 Play + FX)
- **4K:** 662 (6 Rec + 6 Search + 2 Play + FX)

Recording for NLE

- **3G/HD:** 10/16 channels with DMR™
- **4K:** 6 channels with DMR™

Two independent 772 workplaces for 3G/HD

8 built-in 3.5" SATA HDD Racks. Control-ZR control panel included





Compact servers

For mobile studios and changing locations



Ripley

All-in-one solution

8 bi-directional SDI I/O

Replay mode configurations

- **HD:** 442 (4 Rec + 4 Search + 2 Play + FX)

Recording for NLE

- **HD:** 4 channels with DMR™

4 SDHC standard memory card slots for export, import and recording of video signals with H.264 or AVC-Intra 50 Mbit.



Ripley Plus

All-in-one solution

8 bi-directional SDI I/O

Replay mode configurations

- **3G:** 662 (6 Rec + 6 Search + 2 Play + FX)
- **HD:** 662 (6 Rec + 6 Search + 2 Play + FX)

Recording for NLE

- **3G/HD:** 6 channels with DMR™

4 SDHC standard memory card slots for export, import and recording of video signals with H.264 or AVC-Intra 50 Mbit.



Simple R II

8 bi-directional SDI I/O

Replay mode configurations

- **HD:** 772 (7 Rec + 7 Search + 2 Play + FX)
- **3G:** 442 (4 Rec + 4 Search + 2 Play + FX)

Recording for NLE

- **HD:** 8 channels (export only)
- **3G:** 6 channels (export only)

One workplace. 1 GbE interface

SSD-based disk system. Control ZR included



Simple R IIM

8 bi-directional SDI I/O

Replay mode configurations

- **HD:** 772 (7 Rec + 7 Search + 2 Play + FX)
- **3G:** 442 (4 Rec + 4 Search + 2 Play + FX)

Recording for NLE

- **HD:** 8 channels with DMR™
- **3G:** 6 channels (export only)

High-speed SD card reader. 10 GbE interface

SSD-based disk system. Control ZR included



Simple R III

16 bi-directional SDI I/O

Replay mode configurations

- **HD:** 12122 (12 Rec + 12 Search + 2 Play + FX)
- **3G:** 662 (6 Rec + 6 Search + 2 Play + FX)

Recording for NLE

- **HD:** 8 (DMR™) / 12 channels (export)
- **3G:** 6 channels (export only)

Two 662 workplaces. 1 GbE interface. SDX

SSD-based disk system. Control ZR included



New Simple *R* 4K



THE WORLD'S MOST COMPACT AND AFFORDABLE SERVER FOR 4K REPLAYS

The Simple *R* 4K expands the potential of the budget OB Vans to the next level, adding instant slow motion replay production in 4K. Excellent alternative to large 4U/6U servers.

Replay mode configurations

12G/3G/HD: 332 (3 Rec + 3 Search + 2 Play + FX)

Recording for NLE

12G/3G/HD: 3 channels

SSD-based disk system. 5.1 kg / 6 kg. The world's fastest User Native Interface

DESIGNED FOR USERS OF COST-EFFECTIVE 4K BROADCAST CAMERAS



Great Replay solution for eSports

SPECIALIZED OPERATION MODE FOR ESPORTS TEAM COMPETITIONS

A large number of 3G-SDI recording channels is a "must have" requirement for eSports.

- **Dominator AT/3G:** 15 Rec + 15 Search + 2 Play + FX in 3G
- **Fulcrum ATM/12G:** 11 Rec + 11 Search + 2 Play + FX in 3G

Built-in and external Multiviewers and a high-performance interface.

One replay operator can handle all the channels, do replays and create Highlights.



Support for 4K

FOR THOSE WHO REALLY NEED IT

Fulcrum AT and Dominator AT series offers the optional support for 4K resolution.

- Dominator AT/12G: 6 Rec + 6 Search + 2 Play + FX
- Fulcrum AT(M)/12G: 4 Rec + 4 Search + 2 Play + FX

In 4K mode, the systems record up to 6 channels for NLE.

This approach provides the opportunity to use the slomo.tv powerful 3G/HD servers now and remotely upgrade them to the 4K systems in the future.

The upgrade does not require purchasing any additional equipment.



DMR™ technology

DIRECT MULTI-CHANNEL RECORDING INTO NLE NATIVE FILES

When working with DMR™, the server, in parallel with recording to a built-in video array, records the native NLE system files on any available media. For example, NAS or HDD/SSD drives installed in server's front panel racks.

Supported codecs are: ProRes; AVID DNxHD; DVCPRO HD; DVCPRO 50; IMX; XDCAM 50; AVC-Intra 100/XAVC.

Thanks to the parallel recording to the built-in array and to file media, the material is duplicated and kept safe.



Replay console

REPLAY CONTROL COMES WITH EACH SERVER

Control ZR is designed for maximum speed and efficiency

It has 51 RGB backlit buttons with light and color indication, providing hints for the operator. Provides direct access to 24 cameras in replay mode.

The T-bar has over 1000 values of lever position. The Shuttle wheel has 64 left and right positions for controlling the search speed and the playback speed.

Control console can be connected via RS-232/422, USB and Ethernet. It is powered by PoE, as well as by USB.

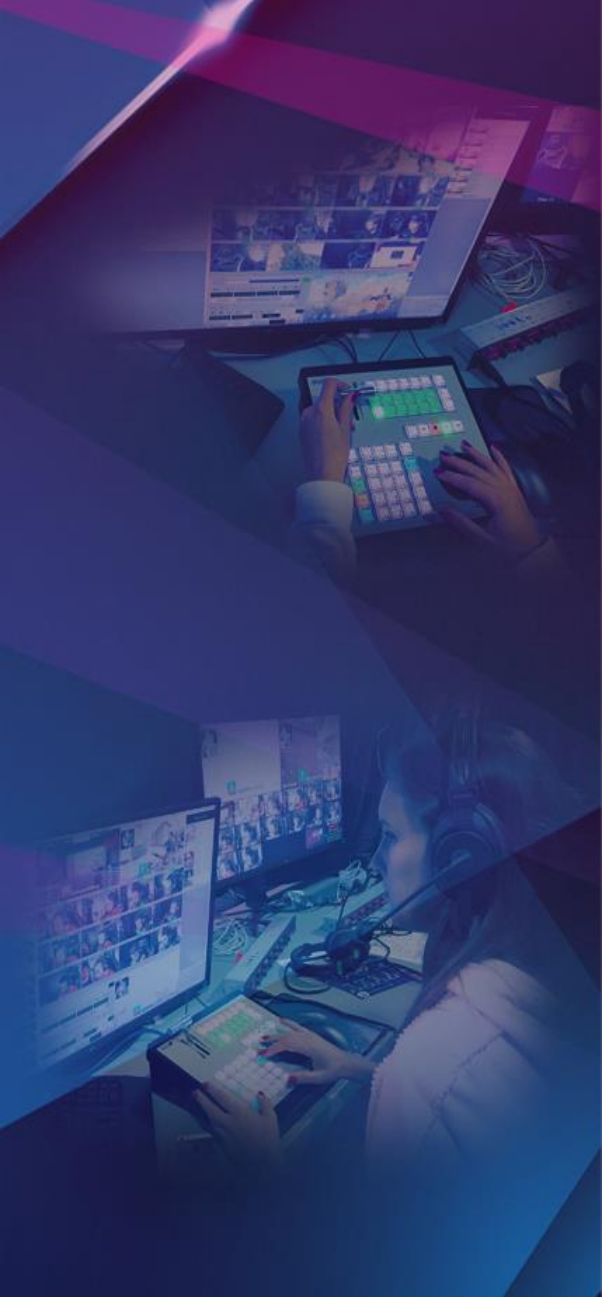




Competitive advantages

ONE HARDWARE PLATFORM – REPLAY, RECORDING AND VAR FUNCTIONS

- **The best price-functionality ratio.** A comparable solutions cost 2-6 times more.
- **World's fastest User Native based on the technology of simultaneous search on all recorded channels and automatic creation of clips and PLs.** One skilled replay operator can single-handedly handle 12-15 channels.
- **The highest number of recording channels in one server**
Slomo.tv offers up to 15 Rec + 15 Search + 2 Play + FX in 3G/HD mode. The closest competitor provides 10 Rec + 2 Play.
- **DMR™ technology – Direct recording in native file formats of NLE systems**
Recorded material is duplicated and kept safe. No external equipment is required.
- **SSD-based disk subsystem**
- **Academy.** Unique slomo.tv training simulator for VAR teams, replay operators and TV personnel



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