

SLOW MOTION VISUALIZER **SMV-ONE**



The SMV-ONE slow-motion video visualizer is easy to use and a cost-effective alternative to standard slow-motion video systems. Using a standard video camera, the unit enables the creation of slow-motion video while recording.

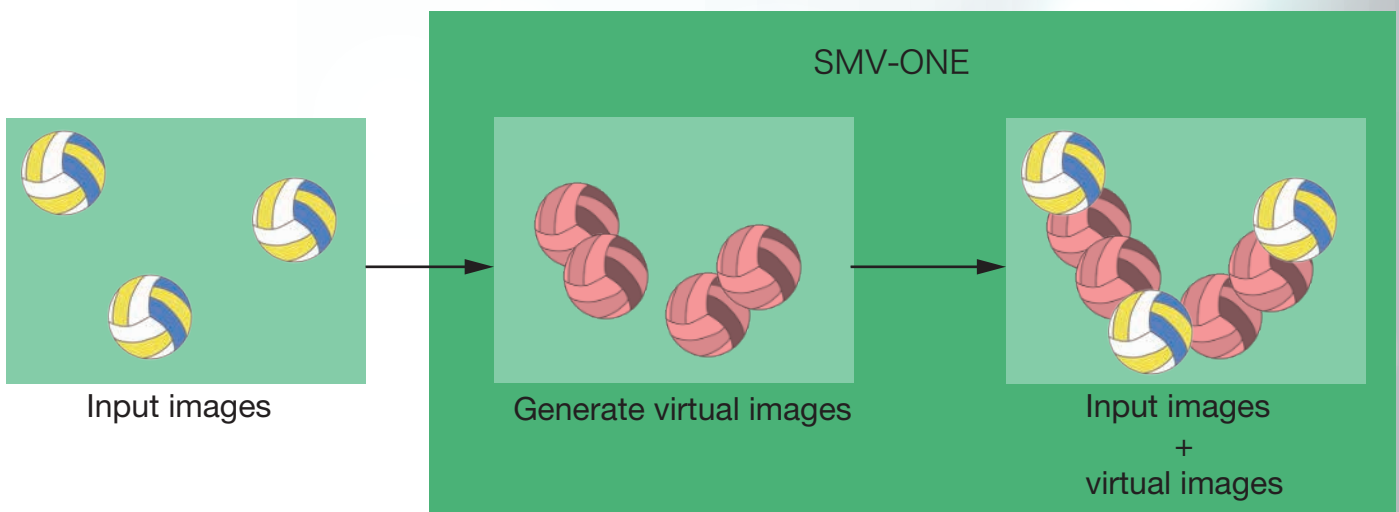
It also features: play, pause, rewind, fast forward and skip back functions. It is ideal for live sports replay or for slowing past surveillance video.



- Generates slow-motion video using standard video camera.
- Units provide from 2x - 4x, up to a maximum of 20x, slow motion speed.
- Supports HD-SDI (1080i 50/59.94, 1080p 50/59.94).
- Compact 1RU size.
- Remote control software comes standard.
- Remote control unit is also available.(optional)

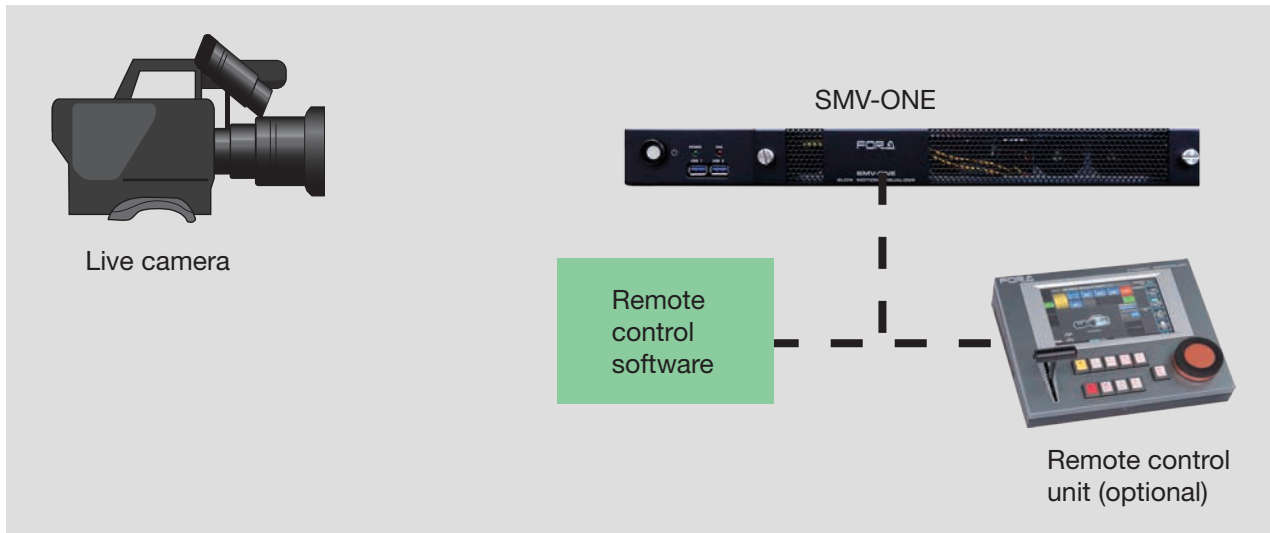
Principles of video generation

- SMV-ONE generates virtual images.
- Interpolation between source frames enables smooth slow-motion video.



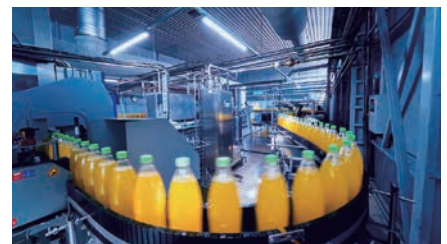
System configuration

- Only one HD-SDI cable is required to connect camera and SMV-ONE unit.
- Connect using dedicated remote control unit or via remote control software.
- Dedicated camera or server are not required.



Potential applications

- Live sports coverage
 - Slow-motion production from live camera feeds.
 - Instant replays or produce dynamic effects at stadiums or betting venues.
 - Use up to four normal cameras as slow-motion cameras. (optional)
 - Expands production capabilities while reducing costs.
- Reuse / repurpose existing footage
 - Existing footage can also be used to create slow-motion video.
 - Re-use surveillance video or other recorded material.
- Remote applications
 - Remote control via LAN.
 - Can be used for remote video production at stadiums.
 - Enables remote monitoring of factory production lines.



SMV-ONE Datasheet

1. Specifications

Basic specifications

| | |
|---------------------------------------|---|
| Temperature | 0°C to 40°C |
| Humidity | 20% to 80% (no condensation) |
| Power | 100 V AC to 240 V AC \pm 10% 50/60 Hz |
| Consumption | 150 VA (148 W) at 100 V to 120 V AC |
| Dimensions | 430 (W) x 44 (H) x 350 (D) mm EIA 1RU |
| Weight | 6.5 kg |
| Consumables (at 24-hour operation) | SSD: Replace every 9 months (If recording continuously with 1 CH input) Cooling fan: Replace every 3 years (at normal temperature) Power: Replace every 5 years (at normal temperature) Battery: Replace every 5 years (at normal temperature) * |

* Depends on video quality and system operational conditions.

* Normally replace the battery every one year when the unit will not be used for a long time with power off.

Technical specifications

| | |
|------------------------|---|
| Video format | HD/3G-SDI: 1080/59.94i or 1080/59.94p, 1080/50i or 1080/50p |
| Video input | HD/3G-SDI: 1.5/ 3Gbps, 75-ohm, BNC x 2 CH (Standard) |
| Video output | HD/3G-SDI: 1.5 / 3Gbps, 75-ohm, BNC x 1 |
| Genlock input | BB: NTSC: 0.429 Vp-p / PAL: 0.45 Vp-p or Tri-level Sync: 0.6 Vp-p BNC x 1 75-ohm or loophthrough (75-ohm termination required if unused) |
| Video adjustment range | \pm 0.5H against genlock phase |
| Interfaces | |
| USB1-4 | USB 3.0 Type-A x 4 (Front: 2, Rear: 2) |
| LAN1-2 | 100BASE-TX/1000BASE-T RJ-45 x 2 |

Option

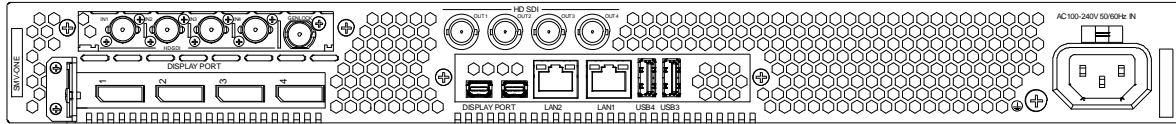
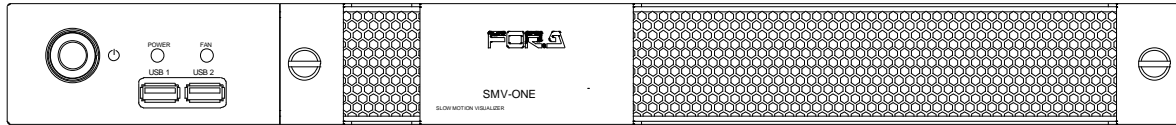
| | |
|---------|---------------------|
| FT-1RUB | Remote Control unit |
|---------|---------------------|

Accessory

AC cord

2. External Dimensions

(All dimensions in mm.)





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