### Video input

**Reckeen SDI Virtual Studio System**
- SDI Video input
  - 2 x SDI – 3G/HD/SD auto switching
- HDMI
  - 2 x HDMI 1.4 type A connector with support for 1080p60 up to 4K 30p

**Reckeen HDMI Virtual Studio System**
- HDMI
  - 4 x HDMI 1.4 type A connector with support for 1080p60 up to 4K 30p

### Video output

**Reckeen SDI Virtual Studio System**
- SDI Video Output
  - 2 x SDI – 3G/HD
- HDMI
  - 2 x HDMI 1.4 type A connector with support for 1080p60 up to 4K 30p

**Reckeen HDMI Virtual Studio System**
- HDMI
  - 2 x HDMI 1.4 type A connector with support for 1080p60 up to 4K 30p

### Audio input

- Digital
  - embedded stereo on each SDI and HDMI

### Audio output

- Digital
  - embedded stereo on each SDI and HDMI

### Video standards

**Reckeen SDI Virtual Studio System**
- SDI
  - SMPTE-425M
  - SMPTE-259M
  - SMPTE-292M
- Video standard – HDMI spec 1.4

**Reckeen HDMI Virtual Studio System**
- HDMI
  - Video standard – HDMI spec 1.4

### NDI

- NDI input
  - 4 input interchangeably as cam 1 to cam 4 with supported consent key or Reckeen chroma key
  - 2 inputs interchangeably as media 1 and 2

- NDI output
  - program out

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### Video formats

**Reckeen SDI Virtual Studio System**
- Input
  - 2 x HDMI v1.4, 2 x SDI
  - 720p/59.94/50/50/25
  - 1080i/59.94/50/25
  - 1080p/59.94/50/25/30/24/25
  - 2160p 30/25

**Reckeen HDMI Virtual Studio System**
- Input
  - 4 x HDMI v1.4

### Features

- Downstream Key – x2
- Magic Key – x2
- Media Format
  - VP8, H.264 and H.265 containers
  - AVI, WMV, MOV, MP4, MPG
- Audio: WAV, MP3
- Video Capture Format
  - 2160p (30/25)
  - 1080p/59.94/50/50/25
  - 1080i/59.94/50/25
  - 720p/59.94/50/25
  - H.264 up to 4K 30p

### Software

**Reckeen 3D package**
- 3D Production
- 3D Studio Editor
- Wizard
- NDI 2D / 3D
- SWB Editor

**Reckeen Lite package**
- Live Production
- VDM Live Editor (also as a standalone version)
- SWB Editor
For printing the 3D Studio):

**Virtual Studio**
Mix
Still Editor - captions and graphics boards generator
Wizard Studio Editor - stage design editor
3D Studio Editor
MS 3D Paint Editor
Recorder
Streamer
Reckeen LITE system - the platform's simpler version for quick tasks and for the beginners

**3D Production**
RECKEEN 3D Studio is a PC based system with an option of importing files in OBJ and FBX formats and objects from its own editors.

Up to two 4K camcordes or up to four Full HD (4x HDMI or 2x HDMI and 2x SDI - depending on the version) can be connected to the Reckeen workstation, their signals will be keyed independently in a high quality. This means, in your virtual studio you can get up to four talent shots taken by four cameras in different locations. In addition, you have four virtual cameras with full range of motion available: pan, tilt, zoom, dolly, truck, arc, pedestal, cant and so on. Their positioning and switching between them reflects the cameraman's natural movements. Up to 15 shots can be assigned to each of the cameras. By default, they are set by the virtual studio designer and defined in the project, but you can customize them to fit your needs. Controlling virtual cameras is easy and convenient thanks to the specially designed VKey-100 keyboard with joystick.

**Studio Editor Wizard**
With RECKEEN 3D you get a ready-made designs package, but 3D Studio Editor and Wizard are also its integral parts, with their use you can prepare your very own designs, with supplied materials or starting from scratch, after your own ideas. The Wizard allows you to create stage designs quickly and efficiently on the basis of ready-made elements, while in the 3D Studio Editor you can personalize every detail you want.

Advanced features of the Studio Editor Wizard also allow you to design virtual 3D scenographies tailored to your individual needs and ideas. All you need is a short tutorial to be easily able to set the ambience of the studio, its size, textures to be used, colors, and equipment. You can implement unlimited number of ideas, and your video materials will always have a unique setting.