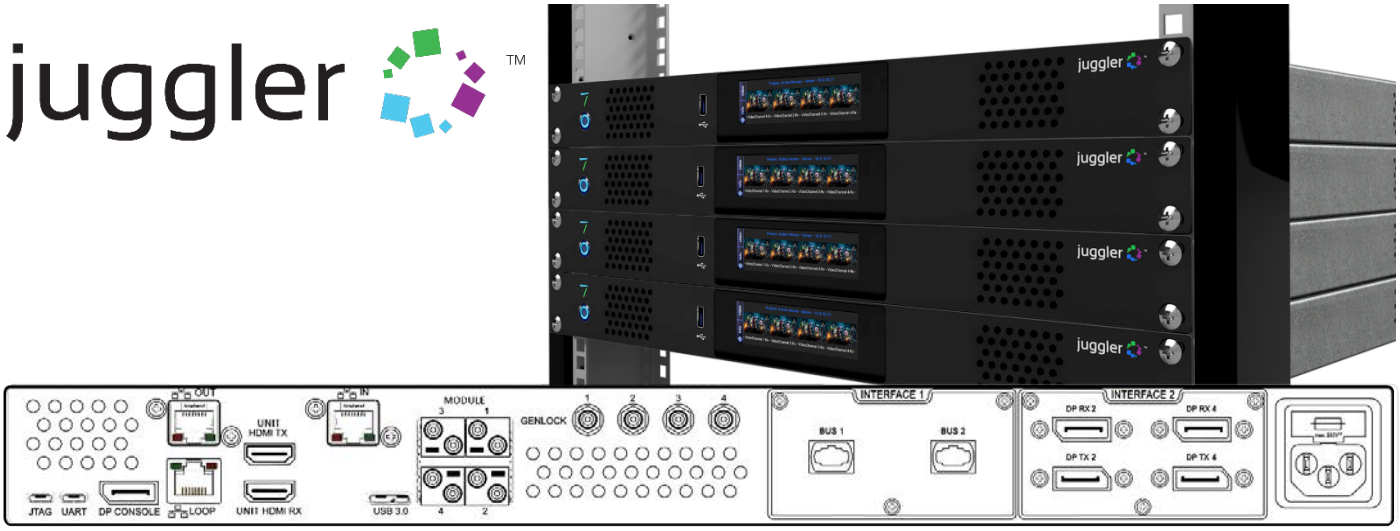
JUGGLER

pixel processor

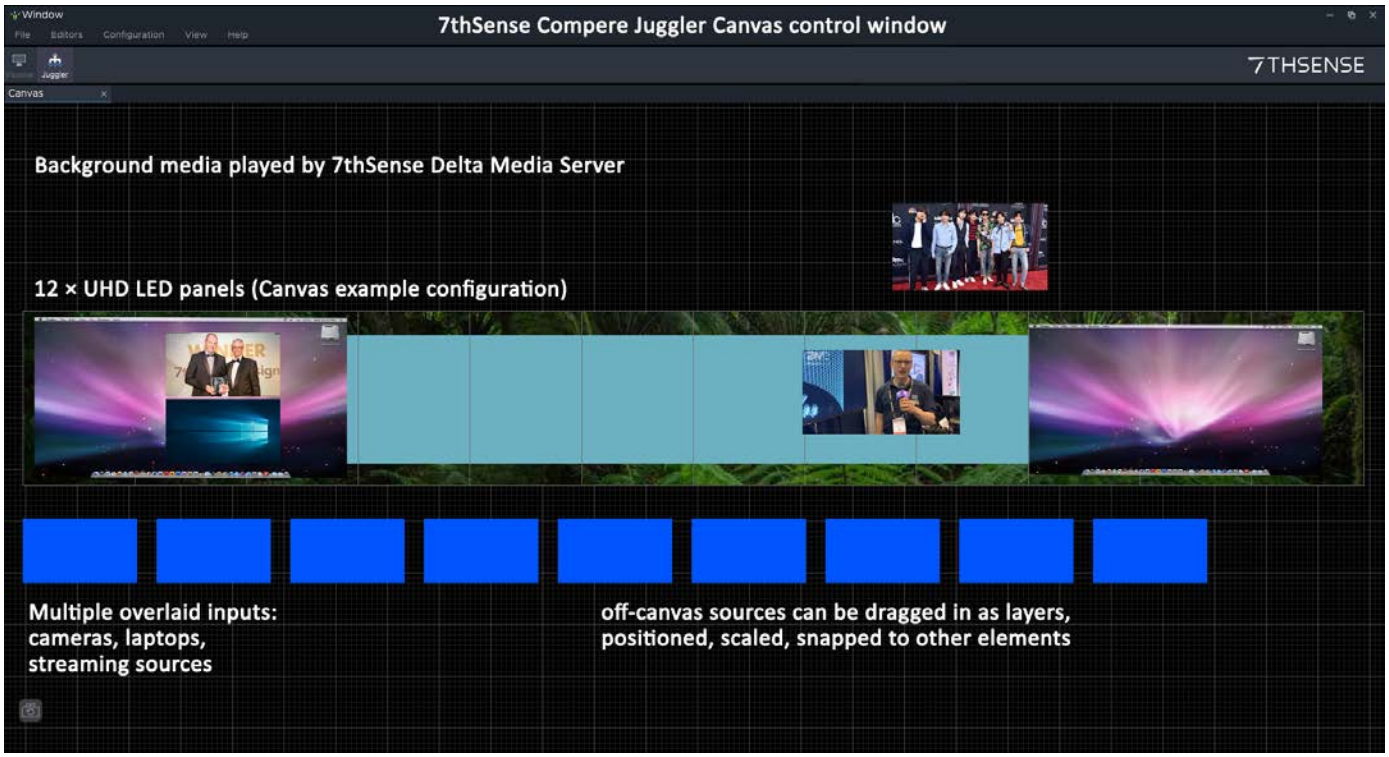
juggler™



Juggler™ is the hardware that processes the pixels and **Compere**™, like a master of ceremonies, is the control software and user interface that tells it what to do. Together, any range of digital inputs can be managed and directed to any range of outputs. This is possible because Juggler modules can be daisy-chained on a fibre-optic data bus to expand inputs, outputs and bandwidth as required.

Juggler is ideal for very large video walls and complex multiple displays and ultra-high resolution canvases, with extensibility to accept unlimited sources.

Compere provides a graphical user interface for Juggler systems for complete system topology visualisation. In one space in Compere, you define the complete overall canvas, and add each display output by size and position. Live thumbnail images can be shown in the Compere canvas view, making it easy to distinguish and visualise all your inputs in one representative view.



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Multiple cameras, PCs, or other streaming sources can be added into any part of the canvas, freely selected, and moved around on and off the canvas as required. They can be moved in front or behind in layers, and scaled. Precise positions can be defined, or they can be dragged freely, optionally using the snap-to features.

Features and capability

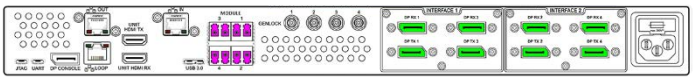
- Configurability: multiple Juggler modules can be daisy-chained via high-speed box-to-box fibre-optic link, to add additional input and output capability.
- Video scaling, video matrixing and picture-in-picture capability, genlocking, framerate conversion.
- DisplayPort™ 1.2, 12G SDI and HDMI® 2.0 (optional HDCP compliant)*
- Supports 12-bit 4:4:4.
- Format conversion from any input type to any output type.
- Warp and blend via 2D MPCDI import
- Colourspace mapping via 3D LUT.
- DisplayPort MST and SST Conversion.
- External control over IP (TCP, UDP, Art-Net™).
- User interface: 7thSense Compere software.
- Confidence monitoring for all inputs.

* HDCP Compliance – coming Q2 2021

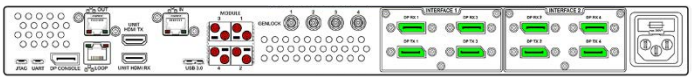
12G-SDI output available now, 12G-SDI input available in Q2. ST2110 Video over IP available in Q4

Example hardware configurations

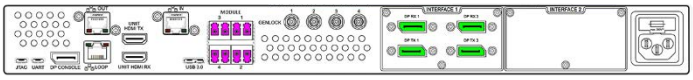
4 × DisplayPort, with fibre-optic bus



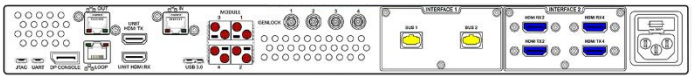
4 × DisplayPort and 4 × SDI



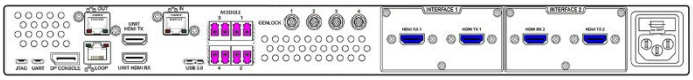
2 × DisplayPort, with fibre-optic bus



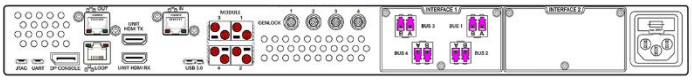
2 × HDMI and 4 × SDI, with fibre-optic bus



2 × HDMI, with fibre-optic bus



4 × SDI with fibre-optic bus



Hardware specifications per module

Environmental Characteristics	Operating	Non-operating
Temperature	+15 to +30 ˚C	-10 to +50 °C
Humidity (non-condensing)	10 to 90%	5 to 95%
Altitude	<2000 m	<10000 m

Specification	Rating/Description	Notes
Rackmount Dimensions (H × W × D mm)	(1U) 44 × 424 × 500	Width including mounting ears: 483 mm
Rackmount weight (approx., kg)	8	
Power Supply	100-240 VAC 60-50 Hz	Autoranging, IEC C14 inlet
Power (W)	100	
Current (A) (max.)	1.5/0.9 A (115/230 VAC)	
Cooling	Forced air	Exhaust at rear
BTU Rate	341	

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