



# VSFU-100

## Video Switching and Formating Unit

PIP capability  
SWAP Optimized Solution  
Control Of Complex Video Stream

AVIES Video Switching and Formating Unit  
directs and controls complex video streams  
for avionics, land and naval platforms.



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VSFU-100 is a video management device that can withstand harsh military environments, fulfill switching requirements on different types of platforms, and convert various video formats into one another.

It is the only product in its field with this scope and capability and offers an optimized solution in size, weight and power consumption.

In addition to platform-specific preferred digital video interface types, it provides analog composite video interface support for compatibility with existing and old platforms.

It also stands out by gaining advanced capabilities such as PIP with a device of low size and weight.

### Technical Specifications

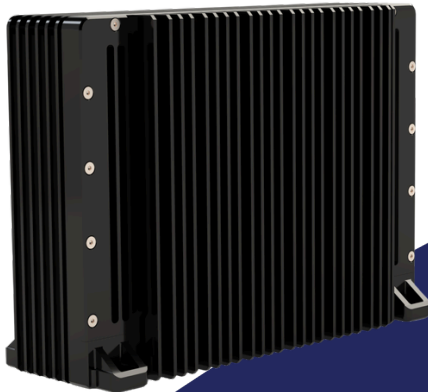
3G/HD-SDI Video Input	x12
3G/HD-SDI Video Output	x6
DP Video Input	x2 (2 lane)
DP Video Output	x3 (2 lane)
HDMI Video Input	x2
HDMI Video Ouput	x2
Analog Video Input	x4
Analog Video Ouput	x2
RS422	x2
JTAG	x1
IEEE 802.3 Ethernet	x4
O/G Discrete In/Out	x4/x4
H265/H264 Video Compression	x8 1080P@30Hz
Picture-in-Picture	✓ (Single, Dual, Quad)
Dimension	80 x 170 x 240 mm
Weight	4kg
Power Usage	60W

### Environmental Conditions

- Operating Temperature and Altitude: -40°C / +71°C, 50.000 ft
- Storage Temperature: -55°C / +85°C

### Qualifications

- DO-160G
- MIL-STD-810H



Specifications are subject to change without any notice. | All tolerances are within ±10%.

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