



# VMU-100

## Video Management Unit

PIP capability  
SWAP Optimized Solution  
Control Of Complex Video Stream

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



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VMU-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

HD-SDI Video Input	x6
HD-SDI Video Output	x6
3G-SDI Support	Provision
DP Video Input	x4 (2 lane)
DP Video Output	x4 (2 lane)
DVI Video Input	x2
DVI Video Output	x2
Analog Video Input	x2
Analog Video Output	x2
RS422 Interface	x2
ARINC429 Interface	x2
CANBUS Interface	x2
IEEE 802.3 Ethernet	x1
O/G Discrete Interface	x8
H264 Video Compression	Provision
Picture-in-Picture	✓
Dimension	280 x 155 x 80 mm
Weight	2,5 Kg
Power Usage	< 25W

### 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
- MIL-STD-461F
- MIL-STD-704F



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

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