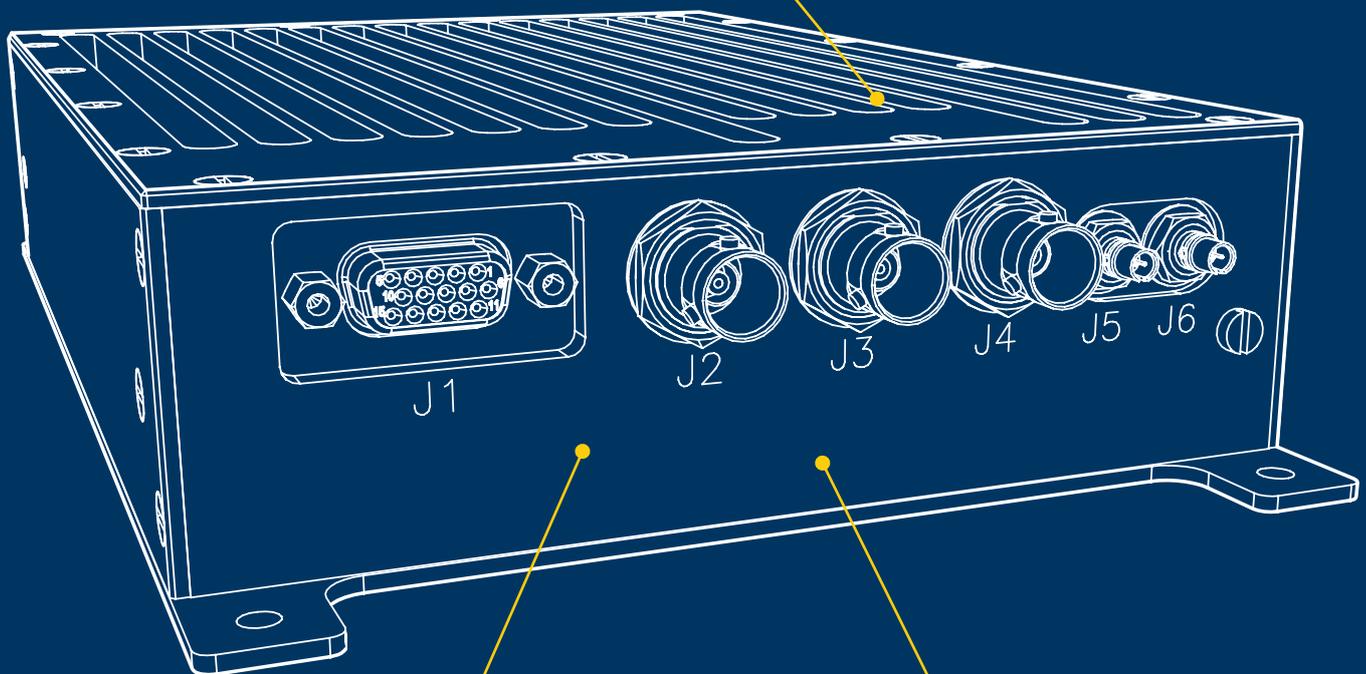


## FPD-Link III CAMERA INTERFACE



DIGITAL & ANALOG  
VIDEO OUTPUT

VIDEO OVERLAY  
CAPABILITY

The Image Processing Unit, IPU-159, receives from the Mission Processor (MP-39) the video data with HUD symbology, which it re-transmits to the Head-Up Display (PDU-39), and also superimposes on the image of the scene in front of the aircraft taken by the Image Sensor Unit (ISU-159). The overlaid image is then transmitted to the DVR for recording, whereas the image from the ISU-159 is converted to CVBS, and sent to the Repeater Display (MFD-39).

IPU-159

## Image Processing Unit

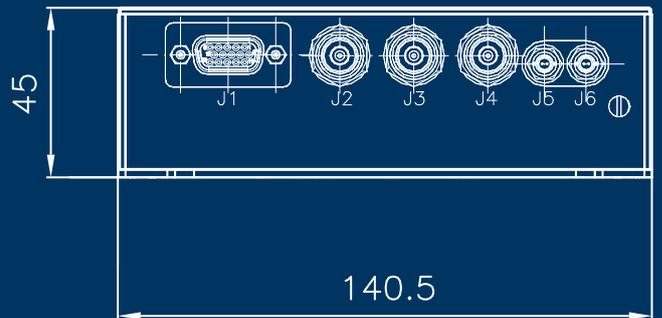
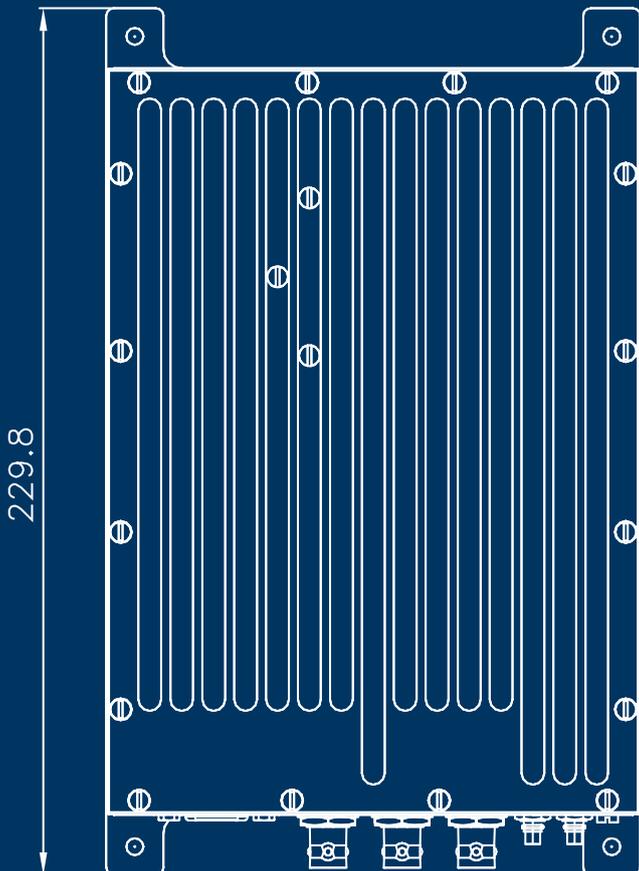
The IPU-159 unit is part of SPEEL's HEAD-UP DISPLAY system.

## Technical Specifications

Dimensions (w/h/l)	141x45x230 [mm]
Weight	< 1.25 kg
Power Supply	18 VDC to 32 VDC
Power Consumption	< 14 W
Camera interface	FPD-Link III
Digital Video Input	3G-SDI 1920 x 1080p resolution 60 Hz frame rate
Digital Video Output	3G-SDI 1920 x 1080p resolution 60 Hz frame rate
Analog Video Output	CVBS NTSC-M
Digital Interface	1x Ethernet 100BASE-TX/10BASE-T
Environmental Compliance	MIL-STD-810F / MIL-STD-461E
Operating Temperature Range	-40°C to +60°C
MTBF	>10000 FH

[HEAD-UP DISPLAY]

[CVFDR]



IPU-159

Image Processing Unit

**SPEEL**  
P R A H A

SPEEL PRAHA s.r.o.  
Beranových 130,  
199 05 Praha 9,  
Czech Republic

www.speel.cz  
E-mail: info@speel.cz  
Tel.: +420 286 923 619

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