## Video and Data Transceiver **Teum**at

**DL-5200** 



The DL-5200 is a small SwaP optimized data link for use on small to medium UAS systems. The DL-5200 provides the primary bidirectional command and control datalink as well as real time video streaming from the unmanned vehicle. The DL-5200 is both ethernet and serial enabled to interface to a wide range of UAV flight and payload control systems. Applications:

UAV command and control up to 25 km Payload video relay

## **FEATURES**

Size weight and power (SwaP) optimised. The DL-5200 weighs 480g and consumes less than 12 W.

PAL composite video input with low latency multirate 264 video encoding and IP multicast streaming

2 ethernet 10/100 base T interfaces

2 full duplex serial interfaces

Audio & microphone interface

## BENEFITS

Ultimately the smaller the SwaP of the datalink, the longer the requirements allows for simplified mounting in the UAV.

No external video encoder required in the UAV. No dedicated video hardware required on the ground side to view the video.

Flexible ethernet communications between the UAV components are enabled with the DL-5200 built in ethernet switch. In turn, this allows for the UAV system to be configured and managed as a network node.

Allows direct interfacing to and control of serial devices.

Interface directly to the analogue audio interface on an ATC radio in the UAV.

	LINK	
Frequency Band	ISM C-Band 5.8 GHz	
Modulation	802.11 n	
Gross data rate	6 Mbps	Rollhummosu
Transmitter Characteristics:		
Number of channels	12	
Output power (Max)	+26 dBm	
Receiver Characteristics:		
Dynamic range	-70 dB	
Sensitivity	-102 dBm	
	INTERFACES	
Video	1 x Composite video input (CVBS)	
Data / Control / Status	3 x 115 kb/s RS 232 or 1x RS232 + 1x RS485 (selectable)	
Ethernet	2 x 100 Base-T	
Audio	1 x Bidirectional 8kHz audio channels PTT	
	PHYSICAL CHARACTERISTICS	
Mass	480 g	
Dimensions	156 mm x 97 mm x 40 mm (h x w x d)	
Mounting	No special thermal requirements. M3 threaded holes (top and bottom)	
	POWER REQUIREMENTS (AIRBORNE UNIT)	
Input voltage	12 V DC to 32 V DC < 15 W	
EN	/IRONMENTAL (AIRBORNE AND GROUND UNITS)	Telljumat
Temperature range	-20°C to +71°C	
General	MIL-STD-810G	
EMC	MIL-STD-461D / MIL-STD-462D	

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