



## Transmitters

### Small size, Lightweight, Great success

IMC offers a line of flight-proven synthesized video and telemetry digital transmitters, used primarily to relay telemetry data and video to a remote location. The transmitters are small sized, lightweight and have minimal heat dissipation. Several input parameters such as frequency, IF frequency, bit rate and output power can be configured before the mission by using a user-friendly application provided with the transmitter. IMC transmitters are designed for MIL-SPEC environmental standards and MIL-STD-461C EMI standards. The transmitters include a signal-processing module, in order to achieve best performance yet simple integration. IMC transmitters also have optional AES encryption and FEC (forward error correction code).

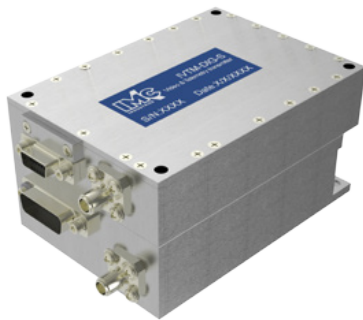
The Transmitters are designed & used in a variety of applications such as UGV / UAS, missile experiments, robots, fighter aircrafts, training simulators, radar systems, space vehicles, and more.

### Capability Range

Specification	Range
Frequency	UHF, L ,S ,C Band
Bit rate	Up to 20Mbps
Power	Up to 40W
Coupling	DC
Modulation type	FM, GMSK, BPSK, QPSK

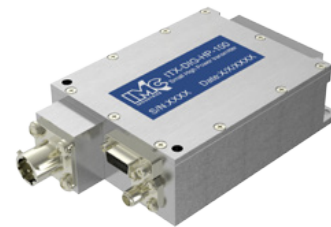


## Optional module families



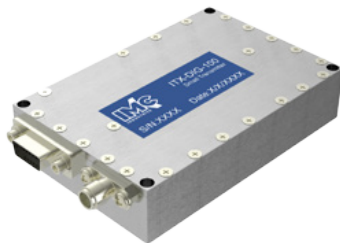
### Integrated Video & Telemetry transmitter

The IVTM-DIG-S is a family of integrated video encoder, telemetry & video transmitters designed for MPEG-4 streaming video multiplexed with up to 1.4Mbps telemetry. It supports low video encoding latency (< 100 ms). Output power up to 20W. Weight 450 gr.



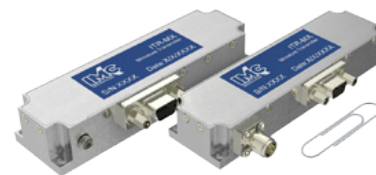
### Small High Power transmitter

The ITR-DIG-HP-100 is a family of small HP digital telemetry & video transmitters designed for air born and space applications. Available with output power of 20W, 40W and in L, S and C frequency bands. The bit rate (up to 20Mbps) and the frequency (up to 200MHz bandwidth) are fully programmable.



### Small transmitter

The ITR-DIG-100 is a family of small digital telemetry and video transmitters designed for air born and space applications. Its output power varies between 5W, 8W and 10W and is available in L, S and C frequency bands. Weighs less than 200 gr.



### Miniature transmitter

The ITR-MX is a family of miniature digital telemetry and video transmitters designed for air born and space applications. Its output power can vary between 0.5W, 1W and 2W and is available in L, S and C frequency bands. The bit rate (up to 20Mbps) and the frequency (up to 200MHz bandwidth) are fully programmable. Weighs less than 50 gr.