

**HTX527**

**HTX627**

**HTX720**



**Applications:**

- High performance video assist & broadcast
- HD camera links for UAV/UGV/AUV
- High end tactical missions

**Features:**

- L, S or C band operation.
- Light weight, robust
- Broadcast grade HD video and audio through a 6,7 or 8MHz channel.
- 16 channels configurable via serial port (PC GUI)
- Conforms to COFDM DVB-T standards.

Extending the line of COFDM Digital video transmitters, Avalon RF has a new winner for High Definition Video- The **HTX** family. The **HTX** family's High RF output power and robust modulation method meet to give an end to end latency of less than two frames with the HDX Receiver.

The HTX527/ HTX627/ HTX720 transmitters use enhanced H.264 compression for a more robust wireless video link for demanding, long range, high mobility HD video applications. Advanced CABAC implementation with a multi-layer rate control permits robust QPSK modulation instead of 16QAM (for the same bandwidth) thereby extending link range by more than 50%.

HTX527: L-band transmitter with a frequency range of 900 MHz-1100 MHz, 1.3-1.45 GHz, 1.45-1.7 GHz, 1.7- 2GHz – specify frequency range when ordering

HTX627: S-band transmitter with a frequency range of 2.1GHz-2.5GHz.

HDX720: C-band transmitter with a frequency range of 5.725-5.850 GHz

*All models are available with an Anton-Bauer Mount (option -AB) for Camera-back application.*

**Specifications:**

- RF Output:** 0.5W (+27 dBm) for HTX527/HTX627, 100mW (+20 dBm) for HTX720; 4 selectable levels
- RF Channels:** 16, configurable through PC GUI
- Video:** SDI formats auto detected; HD -1080p30, 1080p25, 1080i30, 1080i25, 720p60, 1080Psf24, 1080Psf23.97 and 1080p/25Psf; SD- 480i/30 and 576i/25
- Encoding:** H.264 (MPEG4, Part 10) AVC
- Audio:** Embedded audio in SDI/HD-SDI input or stereo line-level analog audio input (600Ω bal)
- Inputs:** BNC (75 ohm) for HD-SDI/SDI and Composite Video through 4 pin LEMO power connector
- User Data:** RS232 interface, 1200-115K Baud, set through GUI (*option -D*)
- User Interface:** Serial Com port, HD/Composite SD selection, Audio source selection & Video presence indicator
- Power:** 9 – 20V DC input
- Size:** 4" (100mm) W x 5.25" (130 mm) H x 1.5" (40 mm) D
- Weight:** 1.2 lbs ( 540 gms)

Avalon RF reserves the right to change specifications without notice or obligation. If a specification(s) is(are) critical to intended application or system, please specify at the time of ordering. Doc Rev: A