



# XLS- 5800/HPR WIDEBAND MICROWAVE LINK FOR 5.8 GHz

XLS-5800/HPR is an excellent microwave link for 5.8 GHz. It comes with 15 W transmitter with digital display to access any frequency from 5.600 MHz - 5.900 MHz, special receiver with digital display, 2 directional antennas PT-58 ; Capacity: 1 video/2 audio channels, receiver has built-in low noise amplifier for increased sensitivity. Operating frequency: synthesized. This link is Professional and it is recommended for TV production and Film. It is made for very long distances - up to 50 km line-of-sight with special antennas (not included). Frequency setting is internal. Both receiver and transmitter are built in weatherproof NEMA enclosures.



| Technical Specifications | XLS-5800/HPR Transmitter  |
|--------------------------|---------------------------|
| Operating Frequency      | 5600 MHz-5900 MHz         |
| Channels                 | All channels              |
| Channel Selection        | Internal/ depend on model |
| DC Voltage               | 12 V                      |
| RF output power          | 15 W                      |
| Minimum required voltage | 12 V                      |
| Battery Power            | 12 V min                  |
| Frequency stability      | 0.005%                    |
| Video distortion         | 2%                        |
| Maximum Range            | 20 miles max.             |
| Video format             | NTSC, PAL                 |
| Current Consumption      | 2.8 A                     |
| Antenna                  | SMA/ N                    |
| Impedance                | 50 ohms                   |
| Video connector          | BNC                       |
| Video level              | 1 V                       |
| Video impedance          | 75 ohms                   |
| Audio frequency response | 20 Hz – 16 kHz            |
| Audio input              | 300 mV 10K K              |
| Audio carrier frequency  | 6 MHz                     |
| Temperature Range        | -40 + 75 °C               |
| Dimensions               | 7.5" x 11" x 3.5"         |
| Weight                   | 8 lb                      |
| Modulation               | WFM                       |

| <b>Technical Specifications</b> | <b>XLS-5800/HPR Receiver</b> |
|---------------------------------|------------------------------|
| Operating Frequency             | 5600 MHz-5900 MHz            |
| Channels                        | All channels                 |
| Channel Selection               | Display                      |
| DC Voltage                      | 12 V                         |
| Sensitivity                     | - 92 dBm                     |
| Minimum required voltage        | 12 V                         |
| Battery Power                   | 12 V                         |
| IF frequency                    | 47 MHz                       |
| Video distortion                | 1%                           |
| IF bandwidth                    | 20 MHz                       |
| Gain flatness                   | 0.03%                        |
| Noise                           | < 2 %                        |
| Antenna                         | Directional                  |
| Impedance                       | 50 ohms                      |
| Video connector                 | BNC                          |
| Video level                     | 1 V                          |
| Video impedance                 | 75 ohms                      |
| Image rejection                 | N/A                          |
| Audio input                     | 300 mV                       |
| Audio output                    | 300 mV                       |
| Temperature Range               | -40 + 75 °C                  |
| Dimensions                      | 7.5" x 11" x 3.5"            |
| Weight                          | 5 lb                         |
| Modulation                      | WFM                          |
| Antenna connector               | SMA/N                        |

### **Warning**

**Our microwave links are built in weatherproof boxes, but they are not waterproof. Please make sure to protect transmitter/receiver boxes from the rain and moisture.**