



# S-5800

## COMPLETE RACING UHF WIRELESS SYSTEM

### 5800 MHz



5.8 GHz complete wireless TV system S-5800 is an excellent solution for car racing. It comes with a high power video transmitter 5 W, receiver VRX-58, dipole antenna and a yagi antenna 11 dB. This system is excellent to send a broadcast quality video signal over 8 km. The range in open area is much greater. This system comes in 8 selectable channels.

| Technical Specifications   | S-5800 Transmitter         |
|----------------------------|----------------------------|
| Operating Frequency:       | 5700 MHz- 5890 MHz         |
| Channels:                  | 8                          |
| Channel selection:         | External                   |
| DC Voltage:                | 12 V                       |
| RF output power:           | 5 W / 50 ohms              |
| Minimum required voltage:  | 12 V                       |
| Battery power:             | 12 V - 14.4 V              |
| Frequency stability:       | +200 kHz/ h                |
| Video distortion:          | 3%                         |
| Maximum range:             | 8 km                       |
| Video Format:              | PAL, NTSC                  |
| Current Consumption:       | 1600 mA / 12 V             |
| Antenna:                   | Directional 15 dB included |
| Antenna Connector:         | SMA/N                      |
| Impedance:                 | 50 ohms                    |
| Video Connector:           | RCA Female                 |
| Video level:               | 1 V                        |
| Video Impedance:           | 75 ohms                    |
| Audio frequency response:  | 30 Hz- 14 kHz              |
| Audio input:               | 300 mV                     |
| Audio carrier frequencies: | 6 MHz and 6.5 MHz          |
| Temperature Range:         | -40 +75* C                 |
| Dimensions:                | 8" X 6" X 3.5"             |
| Weight:                    | 2 lb                       |
| Modulation:                | WFM                        |

| <b>Technical Specifications</b> | <b>S-5800 Receiver</b>     |
|---------------------------------|----------------------------|
| Operating Frequency:            | 5700 MHz- 5890 MHz         |
| Channels:                       | 8                          |
| Channel selection:              | External                   |
| Current Consumption:            | 350 mA / 12 V              |
| DC Voltage:                     | 12 V                       |
| Sensitivity:                    | -92 dBm                    |
| Minimum required voltage:       | 12 V                       |
| Battery power:                  | 12 V -14.4 V               |
| Video distortion:               | 3%                         |
| IF frequency:                   | 479.5 MHz                  |
| IF bandwidth:                   | 18 MHz                     |
| Gain flatness:                  | 2.5 dB                     |
| Noise :                         | 2 dB                       |
| Image rejection:                | 40 dB                      |
| Antenna:                        | Directional 15 dB included |
| Antenna Connector:              | SMA/N                      |
| Impedance:                      | 50 ohms                    |
| Video Connector:                | RCA Female                 |
| Video Impedance:                | 75 ohms                    |
| Audio output:                   | 300 mV                     |
| Video level:                    | 1 V                        |
| Temperature Range:              | -40 +75* C                 |
| Dimensions:                     | 8" X 6" X 3.5"             |
| Weight:                         | 0.8 lb                     |
| Modulation:                     | WFM                        |