



AWV365/366

2.4GHz Video/Audio Tx & Rx

19-May-00 P1/2

TECHNICAL SPECIFICATION

General:

| | |
|---|--------------------------------------|
| Operation Frequency Range | 2400 ~ 2483MHz |
| Channel Selection | PLL Synthesizer, 4ch. Sliding Switch |
| Video-Audio Modulation/ Demodulation Type | FM-FM |
| Antenna Type | Dipole Antenna |
| Power on Indicator | LED, RED |

Transmitter (AWV365 Tx):

| | |
|---|--------------------------|
| Adaptor | 12V, 500mA, 5.5mm |
| Power Consumption | 140mA, typ. |
| Input Port | RCA A/V Line jacks |
| Output Power (EIRP) | 10 dBm, 20dBm (option) |
| Video | |
| Input Impedance | 75Ω, typ. |
| Input Signal Level | 1V _{P-P} , typ. |
| S/N Ratio (100KHz, 1V _{P-P} Sine Wave) | 45dB, typ. |
| Carrier Frequency Accuracy | ± 100KHz |
| Audio | |
| Input Impedance | 10KΩ, typ. |
| Input Frequency Range | 50Hz ~ 20KHz |
| Input Signal Level (Modulation Signal : 50Hz~15KHz Sine Wave) | 3V _{P-P} , typ. |
| Harmonic Distortion (50Hz~6KHz, 3V _{P-P} Sine Wave) (6KHz~15KHz, 2V _{P-P} Sine Wave) | 2%, max. |
| S/N Ratio (50Hz ~ 15KHz) | 45dB, min. |
| Subcarrier Frequency Accuracy | ± 50KHz |
| Subcarrier Power Level (w.r.t. Video Carrier) | 25dBc, typ. |

AIRWAVE TECHNOLOGIES INC.



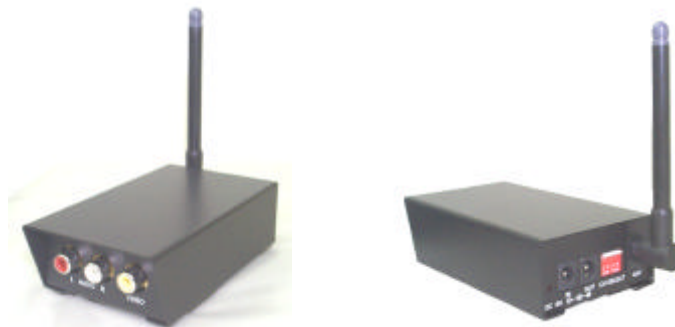
AWV365/366

2.4GHz Video/Audio Tx & Rx

19-May-00 P2/2

Receiver (AWV366 Rx):

| | |
|--|--|
| Adaptor | 9V, 300mA, 5.5mm |
| Power Consumption | 200mA, typ. |
| Output Port | RCA A/V Line Jacks |
| Input Sensitivity (@Video S/N ratio > 30dB) | -80dBm, typ. |
| Input Signal Level Range | -90dBm ~ -25dBm |
| Noise Figure | 4dB, typ. |
| LO Frequency Accuracy | $\pm 100\text{KHz}$ |
| Video | |
| Output Level (100KHz Sine Wave) | 1 V _{P-P} , $\pm 0.2\text{V}$ |
| S/N Ratio (100KHz, 1V _{P-P} Sine Wave) (@-65dBm Input Carrier Level) | 40dB, min. |
| Audio | |
| Output Level | 3 V _{P-P} , $\pm 0.3\text{V}$ |
| Frequency Response (50 ~ 15KHz) | $\pm 5\text{ dB}$, max. |
| Harmonic Distortion (50Hz~15KHz, 1V _{P-P} Sine Wave) | 2% max. |
| S/N Ratio (50Hz~15KHz) (@-65dBm Input Carrier Level) | 45dB, min. |
| R-L Separation (1KHz, 3V _{P-P} Sine Wave) | 30dB, min. |
| R-L Balance (1KHz, 3V _{P-P} Sine Wave) | 2dB, max. |



AIRWAVE TECHNOLOGIES INC.