

AWV374S SPECIFICATIONS

GENERAL	
Operation frequency range	2400-2483MHz
Channel selection	Dip switch
Video/audio modulation/demodulation type	FM/FM
Transmitter & receiver antenna type	Dipole
Video signal type	Composite video sync. Negative
Supply voltage	DC 9V
IR transmission.receive frequency	433.92MHz
IR modulation type	ASK
IR antenna type	Dipole
IR RF Operating distance	45M Line of sight
Differential gain	±5 % , Max.
Differential phase	±5 degree .,Max.
Power indicate	3 red LED
IR indicate	3 red LED
Remote control function	TX on/off、channel、mute
Dimension(W*H*D)	190mm (W) x47mm (H) x140mm (D)
Weight	Tx:250g, Rx:280g
Operation temperature	0 -50 Indoor use only
Storage temperature	-20 -70
SENDER	
RF output signal level	10dBm
Audio power relatively video	-23dBm ± 2dBm
A/V input port	1 SCART/1 RCA
Video input impedance	75
Audio input impedance	15K
IR RF receive sensitivity	-95dBm
IR LED transmission distance	4-5M
Infrared emission wavelength	940nm
IR carrier frequency	36KHz ±1KHz
Current consumption	200mA
RECEIVER	
RF input signal level range	-85 ~ -30dBm
A/V output port	1 SCART
Video output level	± 0.2Vp-p compare with sender input
Video frequency response	50Hz-4MHz (-3dB)
Video S/N ratio	40dB (5 meter)
Audio output level	±2dB compare with sender input
Audio frequency response	50Hz-15KHz (-3dB)
Audio S/N ratio	40dB
Audio THD	2 %
IR frequency stability	±0.5MHz
IR RF Output power	8±2dBm
IR sensor incident distance	7-10M
IR sensor half angle	±45 ° Horizontal
TV modulator output	PAL/B CH0/1
Current consumption	300mA

ELECTRICAL PERFORMANCE SPECIFICATIONS

BRAND: AIRWAVE
MODEL NUMBER: AWW374S
TYPE OF SET: Video sender
CUSTOMERS MODEL NUMBER:
DATE : November. 25. 2002
MADE BY: Andy Zhang
APPROVED BY:

STANDARD TEST CONDITION

SUPPLY VOLTAGE: DC9V/300mA adaptor.
VIDEO REFERENCE OUTPUT:
AUDIO REFERENCE OUTPUT:
VIDEO INPUT SIGNAL: 2Vp-p.
AUDIO INPUT SIGNAL: 250mVrms.

1 V= 0 dB for audio frequency.

NOTE: OTHER TEST CONDITIONS AND TEST METHOD, REFER TO THE "AIRWAVE"
CORPORATION STANDARD TEST PROCEDURE.

SYSTEM SERIES: *A

SUPPLY VOLTAGE	FREQUENCY	AREA
AC 110V CNS	60 Hz	Taiwan
AC 120V CUL(CSA, UL)	60 Hz	USA/CANADA
AC 230V EU(IEC-65)	50 Hz	
AC 230V FTZ(IEC-65)	50 Hz	EUROPE

SENDER PERFORMANCE SPECIFICATIONS					
No	Test Item	Unit	Typical	Limit	Remark
01	2.4GHz Tx frequency	MHz	CH1:2414 CH2:2432 CH3:2450 CH4:2468	±0.5	
02	2.4GHz Tx power	dBm	10	±2	
03	Video/Audio relative power	dBm	-23	±2	
04	433 usable sensitivity	dBm	-95	±2	
05	Infrared transmission distance	M	5	3	
06	Current consumption	mA	170	200	
RECEIVER PERFORMANCE SPECIFICATIONS					
07	Channel local oscillator	MHz	CH1:1934.5 CH2:1952.5 CH3:1970.5 CH4:1988.5	±0.5	
08	2.4GHz usable sensitivity	dBm	-85	±3	
09	2.4GHz intermediate freq.	MHz	479.5	±0.5	
10	IR Tx frequency	MHz	433.92	±0.5	
11	IR Tx output power	dBm	8	±2	
12	433.92 MHz harmonic level	dB	60	50	
13	TV modulator output freq.	MHz	(CH0)46.25	±0.3	
			(CH1)57.25	±0.3	
14	Current consumption	mA	270	300	
15	Incident distance	M	10	7	
COMBIMATE PERFORMANCE SPECIFICATIONS					
16	Video output level	Vp-p	1.0	±0.2	
17	Video frequency response	MHz	4.2	3.8	
18	Differential gain	%	3	5	
19	Audio output level	dB	±1	±2	
20	Audio S/N ratio	dB	45	40	
21	Audio frequency response	Hz/KHz	45/15.5	50/15	
22	Audio distortion	%	1.5	2	
23	Audio separation	dB	40	36	
24	IR operating distance	M	45	30	Line of sight
25	2.4GHz operation distance	M	230	200	Line of sight
26	Isloustion	M	25	10	