



AWV362X

Video Sender with IR Extender

Preliminary Specification
Sep, 1998 P1/3



General:

Frequency Range	2400 ~ 2483MHz
Channel Selection	PLL Synthesizer 4CH
Channel Freq.	CH1:2414MHz, CH2:2432MHz, CH3:2450MHz, CH4: 2468MHz (+/-9MHz)
Video/Audio Mod/Demod. Type	FM-FM
Antenna Type.	Internal omni-directional Dipole
Video Polarity	Negative
Supply Voltage	DC +9V
DC IN Jack	5.5mm
Power On Indicator	LED, Green
Channel Indicator	Slide Switch
Built-In IR Remote Extender	Yes
Operating Frequency	418MHz(FCC) / 433.92MHz(RnTTE)
Mod./Demod. Type.	ASK
Antenna Type.	Internal omni-directional Dipole
Outlook dimension of Transmitter	145mm*100mm*40mm
Outlook dimension of Receiver	145mm*100mm*40mm

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Transmitter:

Supply Current	90mA, Typ.
Input Port	Scart or RCA A/V Cables
Output Power (EIRP)	1mW(FCC)/10mW(RnTTE)/100Mw(Hi power)
Video Input	1V _{P-P} @ 75Ω, Typ.
Video S/N Ratio	45dB, Typ.
Video Carrier Frequency Accuracy	±100KHz
Audio Input	3V _{P-P} @ 10KΩ, max
Audio S/N Ratio	50dB, min (50Hz ~ 15KHz)
Audio THD	2%, max @ 2/3 max. Input Level
Audio Subcarrier Frequency Accuracy	±50KHz
Audio Subcarrier Power Level	25dBc
IR Remote Extender-RF Receiver	
Receiving Sensitivity	-95dBm, typical
Lo Frequency Accuracy	±50KHz
IR Carrier Frequency	38KHz
IR RC Operation Range	7 Meters, typical
IR Extender Half Angle	60° Horizontal
External IR LED Port	Wired IR LED mouse

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Receiver:

Supply Current	180mA(standby), max/255mA (IR TX On), max
Output Port	Scart or RCA A/V Cables
Input Sensitivity	-85dBm, Typ. (@ Video S/N Ratio \geq 30dB)
Input Signal Level Range	-90dBm ~ -25dBm
Noise Figure	4dB, Typ.
Lo Freq. Accuracy	\pm 50KHz
Video Output	1V _{P-P} \pm 0.2V @ 75 Ω , Typ.
Video S/N Ratio	40dBm, min (@-65dBm Input Carrier Level)
Audio Output	3 V _{P-P} \pm 0.3V@10K Ω Typ.
Audio Freq. Response	\pm 5dB, max. (50Hz ~ 15KHz)
Audio THD	2%, max. @ 1/3 Typical Output Level
Audio S/N Ratio	40dB, min.(50Hz ~ 15KHz) @-65dBm I/P Carrier Level
Audio R-L Separation	30dB, min. (1KHz @ Typical O/P Level)
Audio R-L Balance	20dB, max. (1KHz @ Typical O/P Level)
IR Remote Extender-RF Transmitter	
RF Output Power (EIRP)	1mW (FCC)/10mW (R&TTE)
Carrier Freq. Accuracy	\pm 75KHz
Spurious Output	-40dBm, max
IR Receiver Tuning Freq.	38KHz
IR RC Operation Range	7 Meters, typical
IR Sensor Half Angle	\pm 45 $^{\circ}$ Horizontal

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