

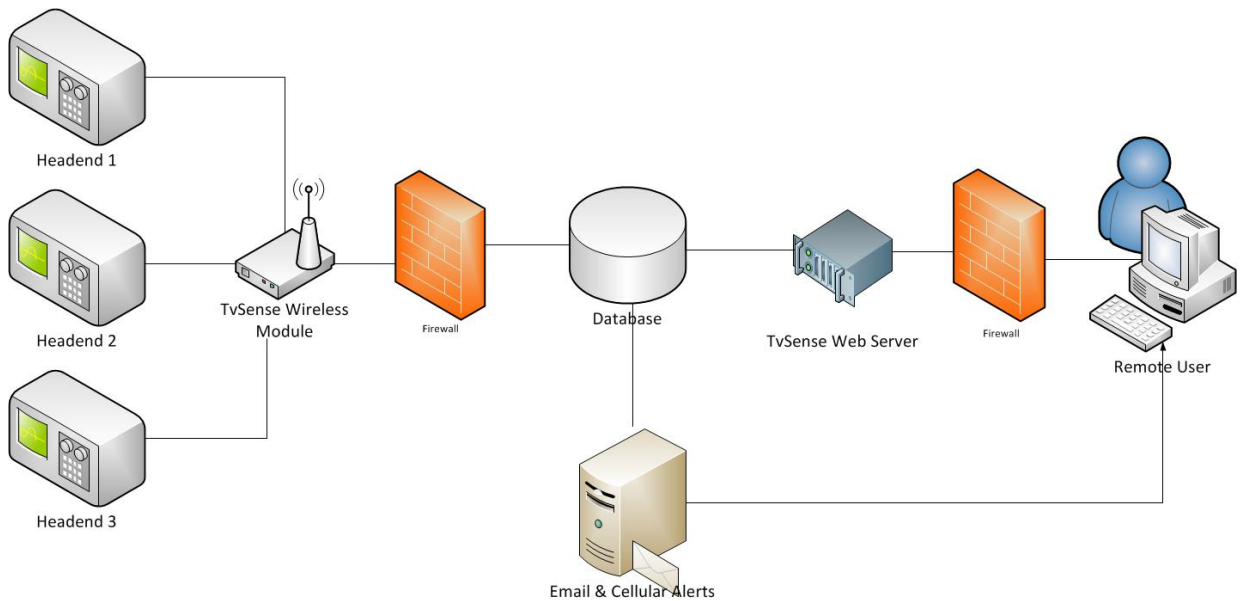


## MATV Headend & Signal Monitoring

TVSENSE is a fast, secure, back-to-base system designed specifically for MATV Headend and Signal monitoring. It is compatible with all major MATV monitoring hardware on the Australian and New Zealand market. The system complies with DVB-T, DVB-C and analog TV standards with connectivity by simcard, wireless satellite or ADSL. A special feature available on request is the ability to swap between phone providers if a tower goes down.

Low cost 24/7 monitoring. Hosted or in-house server packages. Three hardware formats. Suitable for RF and IP systems.

### System diagram\*



\*Not all network elements shown

#### Monitoring units

TVSENSE A

Communicates with on-site monitoring hardware, transfers data securely to MS SQL Server, SMS or email and web alerts

TVSENSE B

As for A, plus measures RF output and signal strength from the monitoring hardware and after the first distribution amplifier

TVSENSE C

As for B, plus TTL output for remote hardware reset with 10 x RS232 ports plus USB outlets to extend RS232 port numbers

#### Server sizes

Lite Server

Embedded server stores data securely for up to 100 TVSENSE units

Std Server

Up to 1000 units

#### Connectivity

Communication

Ethernet or cellular



A & B Desktop box



A&B Rack mount unit



C Back panel

Support packages available from your local distributor.

Designed and manufactured by EnviroPoint Systems Pty Ltd  
A wholly owned and operated Australian company



## Technical Information

Parameter	A&B Desktop	A&B Rack mount	TVSENSE C
Operating Temperature Range	0°C to 40°C	0°C to 45°C	0°C to 60°C
Storage Temperature Range	-20°C to 70°C	-20°C to 70°C	-10°C to 80°C
Humidity Range	5% to 90% RH	5% to 90% RH	0% to 90% RH
Power Supply	12V/2.5A 30W power adapter (100-240V)	AC100-240V Full Range, 50-60Hz, 60W	DC 12V input
Interfaces	4 x Ethernet, 2 x USB	4 x Ethernet, 2 x USB	10 x RS232, 4 x USB
Dimensions (WxHxD in mm)	219 x 40 x 151	432.0 x 283.2 x 44.0	188 x 82 x 276
Structure	Aluminium	Aluminium	Al front panel, steel chassis
Certification	CE/FCC	CE/FCC Class A	CE/FCC Class A

## Capability

<b>Parameters monitored</b>	DVB- C/T Measurements	Centre Frequency C/N RSSI BER MER Time Offset Frequency Offset Uncorrectable Packets Status
	ATV Measurements	Centre Frequency C/N RSSI Frequency Offset SNR
<b>GUI Access</b>	Configuration and Monitoring	Silverlight Interface required
<b>Graphs Displayable on GUI</b>		MER BER RSSI C/N SNR
<b>Alarm routing</b>		SMS Email Screen/GUI
<b>Alarm indication</b>		Threshold (Limit) Derivative (Rate of Change)
<b>Typical Data Rate</b>	Wireless 3G	2.5 Mb Down, 1.5 Mb Up