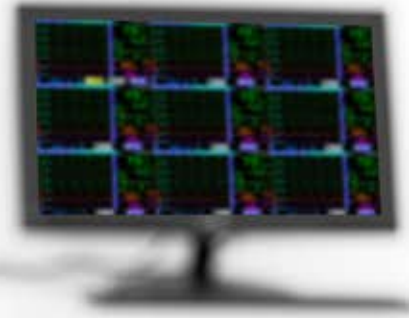


# CentralVUE™ CV8x

Veterinary Multi-Channel Telemetry System



## Your Answer to Emergency and Critical Care

- Configurable up to 9 channels
- Ultra small 5 lead ECG transmitter
- Large HD 23" display with touch screen operation
- 5 Leads ECG, display up to 6 leads simultaneously
- Arrhythmias and ST segment analysis
- 48 hours of ECG recording & player
- ECG player with full measurements and analysis capabilities
- 48 Hour ECG full disclosure
- Optional Nellcor® OxiMax® VetSat® SpO2
- Patient data stored in MS Excel® files for easy transfer to most practice management software
- Built-in Wi-Fi connection for seamless data transfer and printing to network
- Remotely access your CentralVue™ from any computer or smart phone

*Driven by Innovation in Veterinary Medicine*  
[www.digi-vet.com](http://www.digi-vet.com)





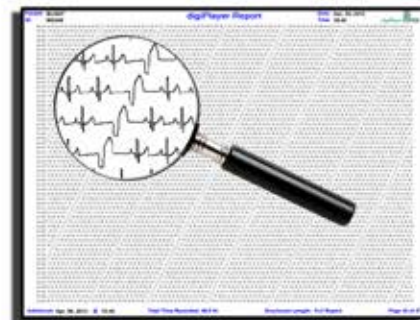
# CentralVUE™ CV8x Veterinary Multi-Channel Telemetry System



Up to 48 hours recording of any ECG lead with its built-in ECG recorder/player and measurements tool



ECG recorder/player has a measurement tool for making several ECG waveform measurements of time and amplitude



ECG Full Disclosure 1 hour per page printouts up to 48 hours

The CentralVue™ Veterinary 9 channel Multi-Parameter Telemetry System receives vital signs from portable TeleVue™ transmitters. The TeleVue™ TV2x multi-parameter transmitter can measure 5 lead ECG, ST segment analysis, arrhythmias, respiration, temperature and optionally Nellcor® VetOx® SpO2. The TeleVue™ TV1x ultra small transmitter measures 3 and 5 lead ECG. These vital signs can be transmitted from anywhere in the hospital up to 300ft and can be expanded up to 1000ft. The CentralVue comes standard with a multi-channel Bluetooth® receiver and a dedicated all-in-one touch screen computer. On each individual channel there are 6 programmable waveform traces and an easy to understand display. Included is a 48 hour ECG recorder that offers 48 hour full disclosure printing as well as an ECG measurement tool. The CentralVue™ will generate both Excel® and PDF® reports of tabular data that can be printed or saved for a later time. The built-in wireless adapter allows the CentralVue™ to easily connect to the clinic's network allowing seamless data transfer. The CentralVue™ can be accessed and controlled from anywhere using computers, tablets and smart phones.



Sample of 5 lead ECG report with ST segment, arrhythmias and vital signs

## TeleVUE™ Series Transmitter Technical Specifications

### TeleVUE™ TV2x (Multi-Parameter)

#### ECG

Standard Leads – I, II, III, aVR, aVL, aVF, Vx  
 Maximum amount of simultaneously displayed channels – 6  
 Lead detection – Identifies failed lead  
 Auto 3/5 leads system recognizing and switching

Input:  
 Input signal range – 10 mV ~ + 10mV  
 Input impedance > 5Mohm  
 DC offset voltage: 500mV  
 Common mode rejection: > 100db

Output:  
 Scales: ± 0.1 mV to ± 6mV  
 Filter: 0.05~130Hz, 0.5~40Hz, 1~20Hz, 5~20Hz  
 Calibration signal: 1mV(p-p) ± 3%

Heart Rate computation:  
 Range: Large Animals: 10 ~ 300 bpm  
 Small Animals: 5 ~ 350 bpm  
 Accuracy: ± 1 bpm or ± 3% of input rate

ST segment measurement:  
 3 channels measurement  
 Update ST template every 10s  
 Range: -2.0mV ~ + 2.0 mV

Arrhythmia analysis:  
 Asystole (ASY)  
 Ventricular tachycardia / Ventricular fibrillation (VTA/VFIB)  
 Run two of the ventricular premature beat (CPT)  
 Run ¼ of ventricular premature beat (RUN)  
 Ventricular bigeminy(BGM)  
 Ventricular trigeminy(TGM)  
 R on T (ROT)  
 Single ventricular premature beat(VPB)  
 Missed Beat (MIS)

Respiration  
 Waveform: 1ch  
 Respiration rate range: 7-150bpm  
 Resolution: 1bpm  
 Accuracy: ± 2bpm  
 Apnea alarm: 10s, 15s, 20s, 25s and 30s  
 Gain: 10 levels  
 Base impedance: 500 - 4000Ω  
 Detection sensitivity: 0.3 - 50

#### TEMP

1 channel  
 probe type: YSI400  
 range: 32 - 122 °F ( 0 - 50 °C)  
 resolution 0.1 °F ( 0.1 °C)  
 accuracy ± 0.2 °F ( 0.1 °C)

#### SpO2 Nellcor® OxiMax®

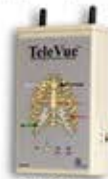
SpO2 range: 0 - 100 %  
 Pulse rate range: 20-300 BPM  
 Accuracy:  
 SpO2: (%SpO2 ± 1 SD) Low Perfusion 70-100% ± 2 digits  
 Pulse rate: Low Perfusion 20-300BMP ± 3 digits  
 OxiMax® Veterinary Sensors:  
 Lingular with small and large clips (Vsat®)  
 Reflectance (MaxFast®)  
 Wrap Sensor(OxiBand®)

#### Bluetooth®

Bluetooth® Version 1.2  
 Class 1  
 Level 18dBm  
 Working distance: 300ft (100m)

#### General Specifications

AC Adapter Mains Voltage:  
 Automatic Selection 100-240Vac (50/60Hz)  
 Input Voltage TeleVue: 12Vdc  
 Batteries: 4 AA Rechargeable NiMH 2500mAh  
 Power: 15 Watts ERS1T model ( ECG, Resp and Temp)  
 18 Watts ERS1T model ( ECG, Resp, SpO2 and Temp)  
 Relative humidity: 30-75% (non-condensing)  
 Dimensions: 3.6" (W) x 6.1" (H) x 1.8" (D)  
 92mm (W) x 156mm (H) x 45mm (D)  
 Weight: 1.22 Lbs (566g) with batteries



TV2x (Multi-Parameter)

### TeleVUE™ TV1x (Ultra-Small Transmitter)

#### ECG

Standard Leads – I, II, III, aVR, aVL, aVF, Vx  
 Maximum amount of simultaneously displayed channels – 6  
 Lead detection – Identifies failed lead  
 Auto 3/5 leads system recognizing and switching

Input:  
 Input signal range – 10 mV ~ + 10mV  
 Input impedance > 5Mohm  
 DC offset voltage: 500mV  
 Common mode rejection: > 100db

Output:  
 Scales: ± 0.1 mV to ± 6mV  
 Filter: 0.05~150Hz, 0.5~40Hz, 1~20Hz, 5~20Hz  
 Calibration signal: 1mV(p-p) ± 3%

Heart Rate computation:  
 Range: Large Animals: 10 ~ 300 bpm  
 Small Animals: 5 ~ 350 bpm  
 Accuracy: ± 1 bpm or ± 3% of input rate

#### Bluetooth®

Bluetooth® Version 1.2  
 Class 1  
 Level 18dBm  
 Working distance: 300ft (100m)

#### General Specifications

AC Adapter Mains Voltage:  
 Automatic Selection 100-240Vac (50/60Hz)  
 Input Voltage: 3.7Vdc  
 Batteries: Lithium-ion @ 1200mAh  
 Charge time: 4-5 hr (cannot be used to monitor during charge)  
 Operation time after fully charged: ≥15 hours with 300ft range  
 Power: 0.37 Watts  
 Relative humidity: 30-75% (non-condensing)  
 Dimensions: 2" (W) x 3" (H) x 0.8" (D)  
 51mm (W) x 76mm (H) x 21mm (D)  
 Weight: 0.22 Lbs (100g)

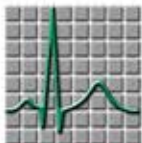


TV1x

Designed and Manufactured in the USA



Driven by Innovation in Veterinary Medicine



**DIGICARE**  
 Animal Health

Digicare Animal Health  
 107 Commerce Road  
 Boynton Beach, Florida, 33426  
 USA  
 Phone: 561-689-0408  
 Fax: 561-689-0021

Distributed by:



For more information go to:  
**WWW.DIGI-VET.COM**  
 email:sales@digicarebiomedical.com



**844-4DIGICARE**