Integrated active sensor system for real time vibration monitoring

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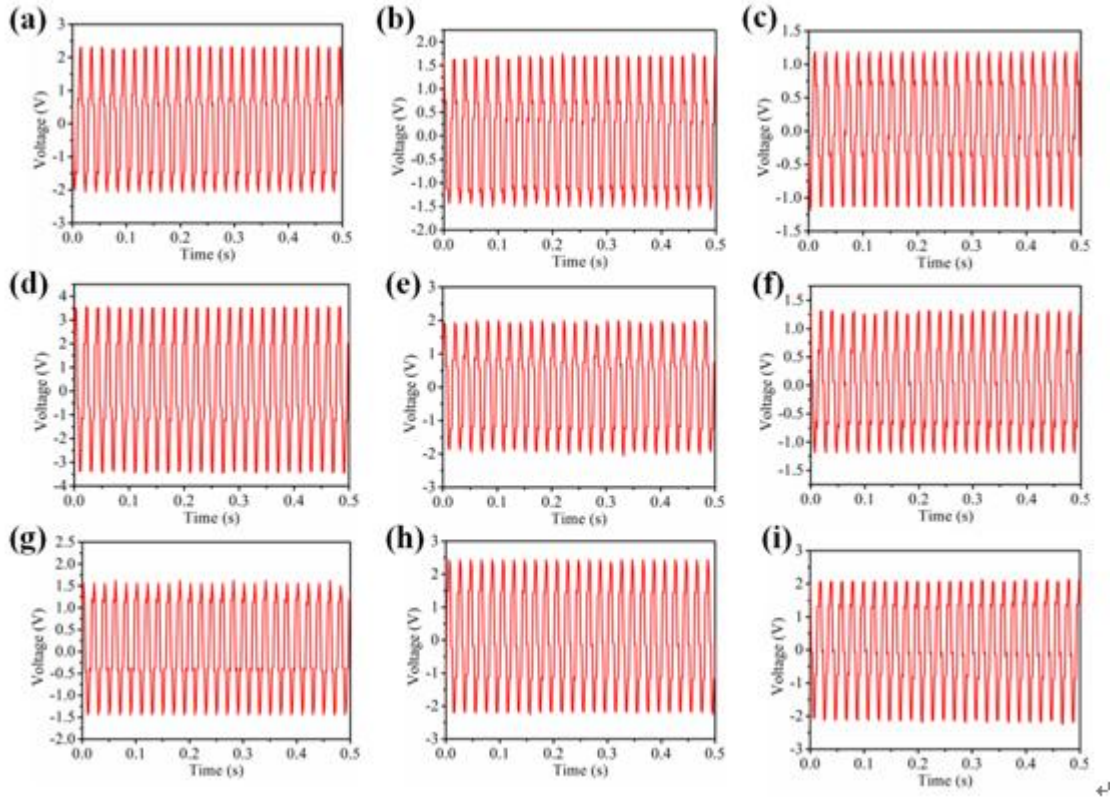

Figure S1. The outputs of nine pixels in the sensor array with all detected units in on-state.

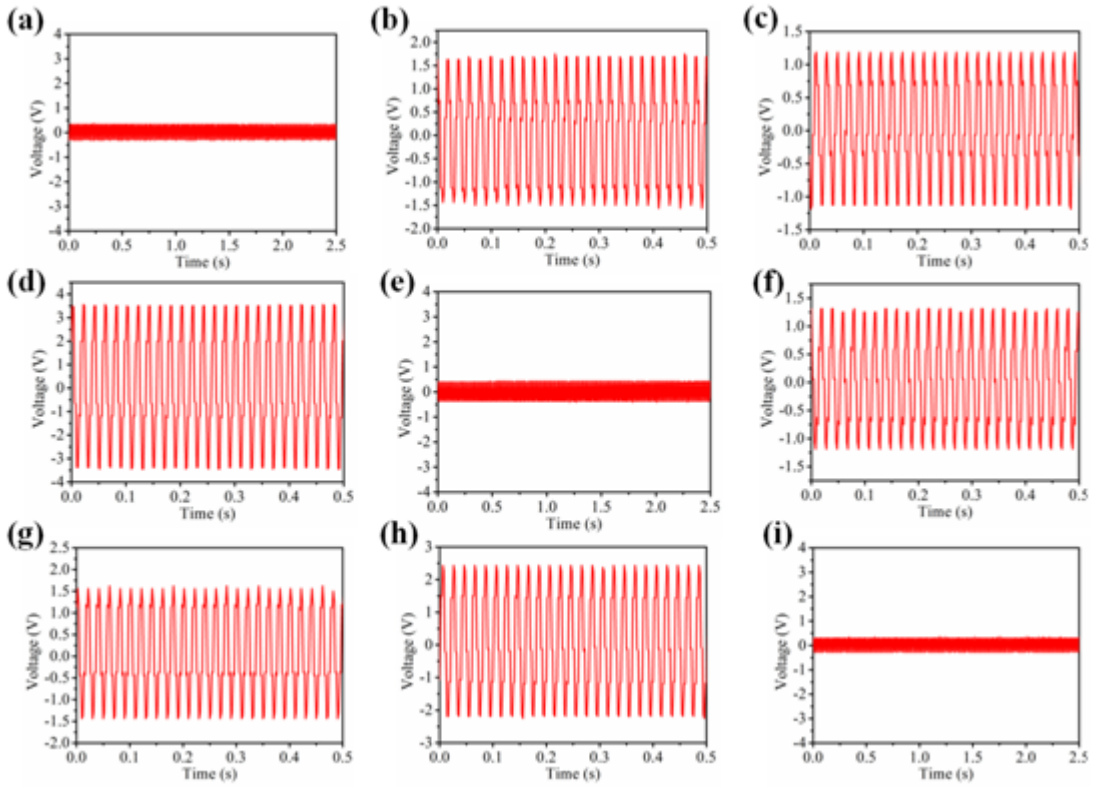

Figure S2. The outputs of nine pixels in the sensor array with 3 units in off-state.

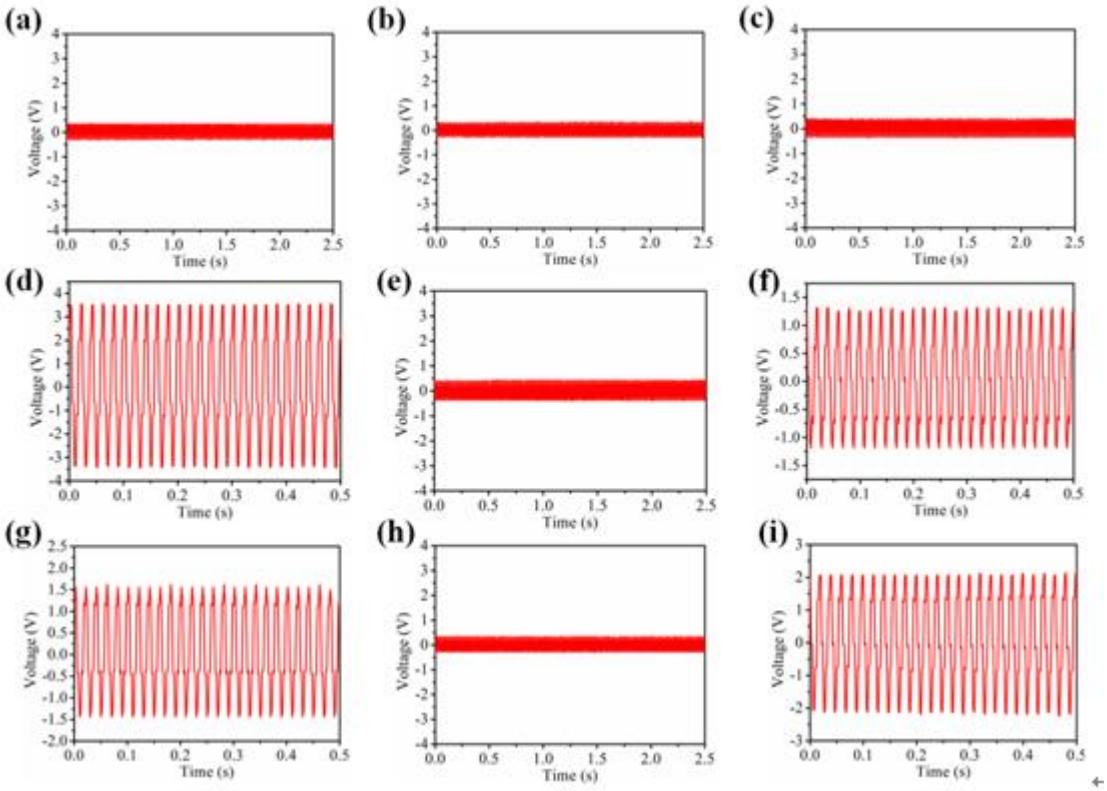

Figure S3. The outputs of nine pixels in the sensor array with 5 units in off-state.

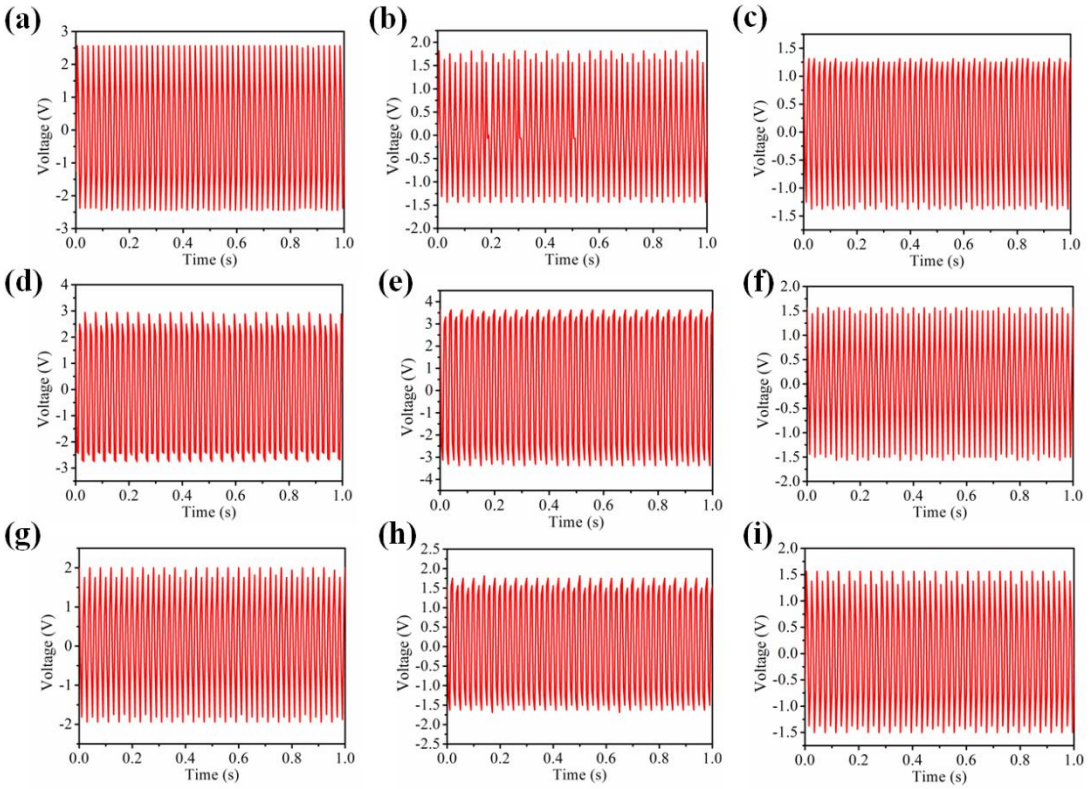

Figure S4. The outputs of nine pixels in the sensor array with vibration amplitude of normal set value.

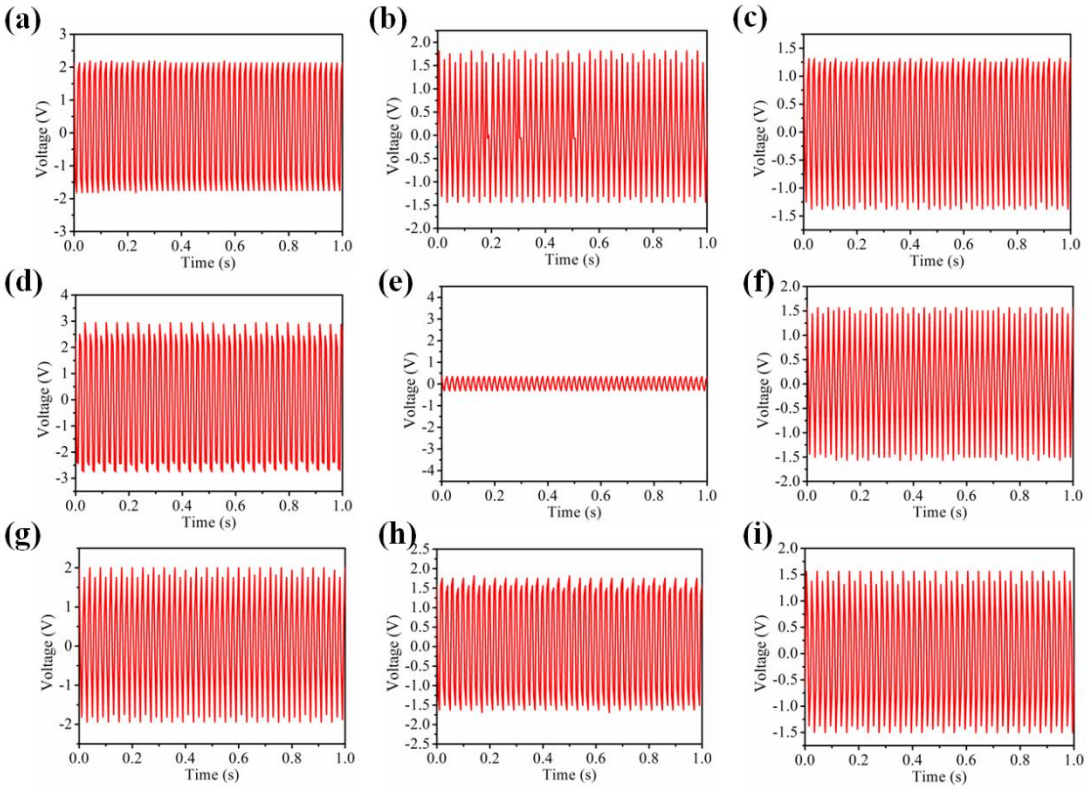

Figure S5. The outputs of nine pixels in the sensor array with vibration amplitude of 1 unit deviated from normal set value.

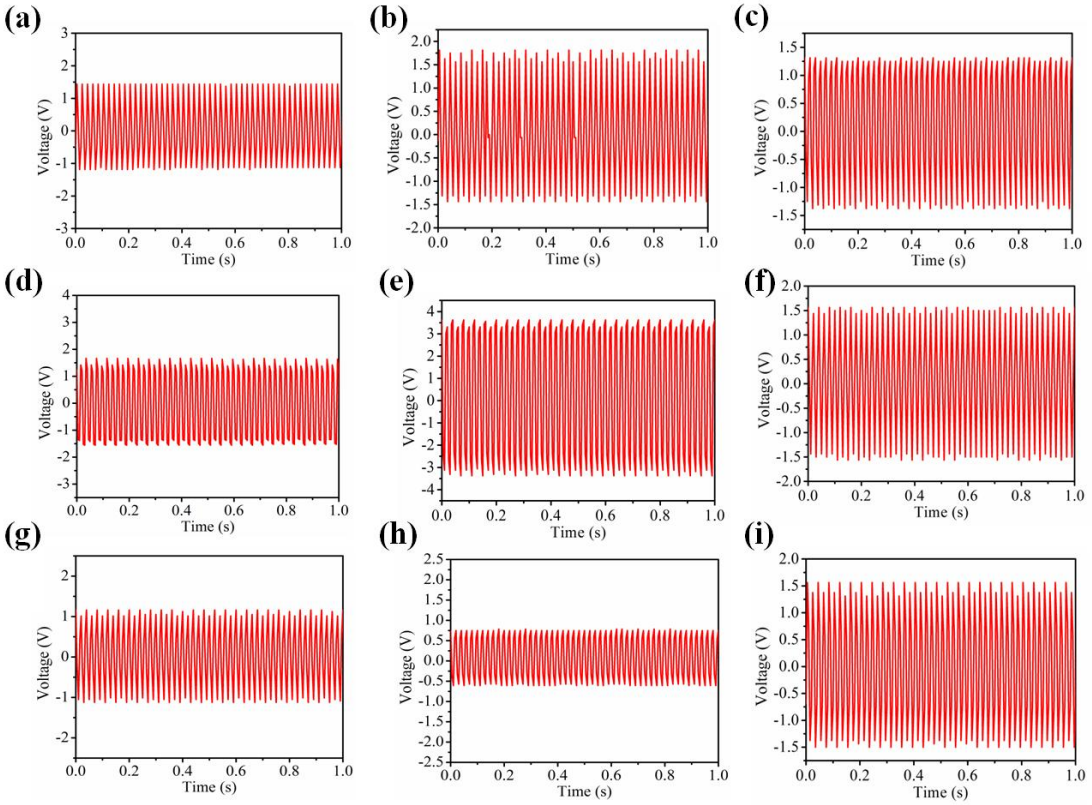

Figure S6. The outputs of nine pixels in the sensor array with vibration amplitude of 4 units deviated from normal set value.

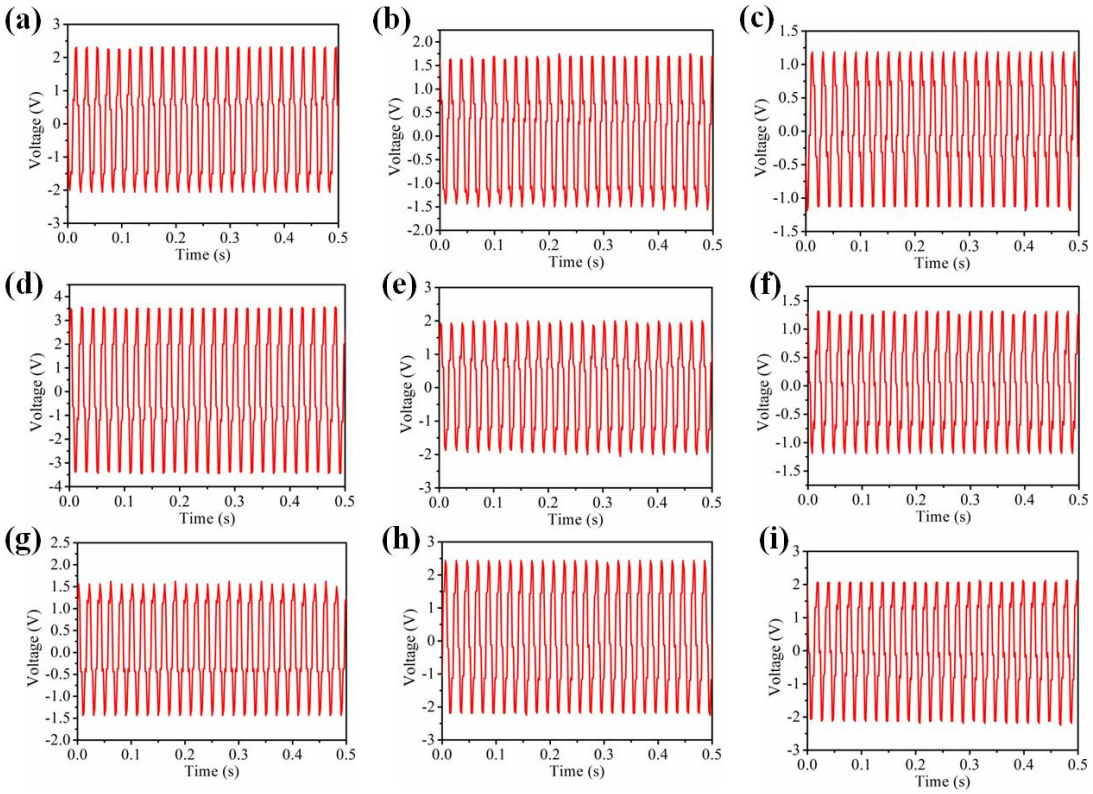

Figure S7. The outputs of nine pixels in the sensor array with vibration frequency of all units to be 50 Hz.

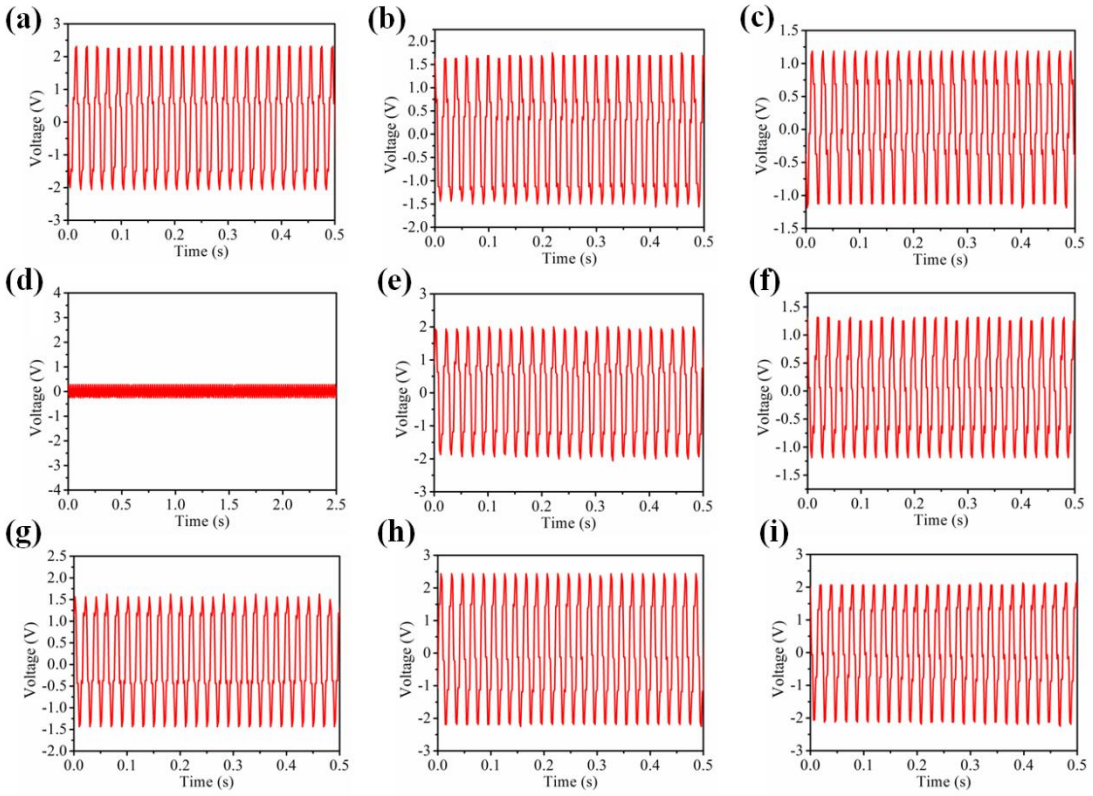

Figure S8. The outputs of nine pixels in the sensor array with vibration frequency of 1 unit deviated from normal set value of 50 Hz.

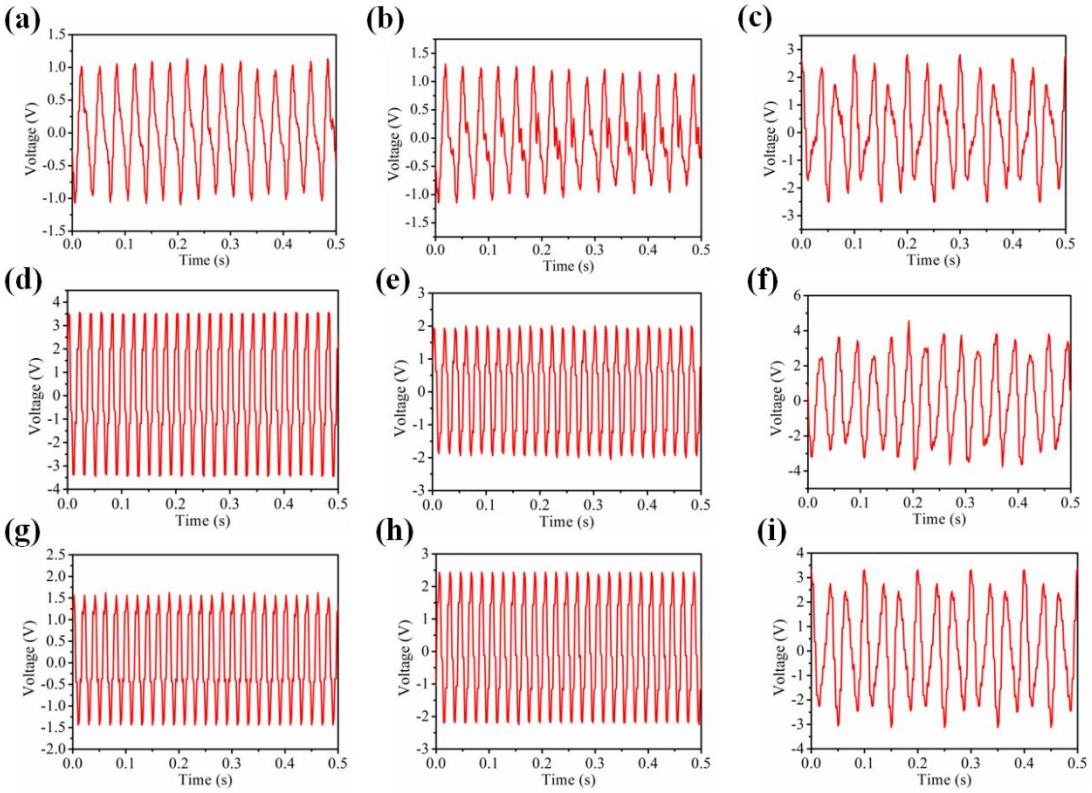

Figure S9. The outputs of nine pixels in the sensor array with vibration frequency of 5 units deviated from normal set value of 50 Hz.

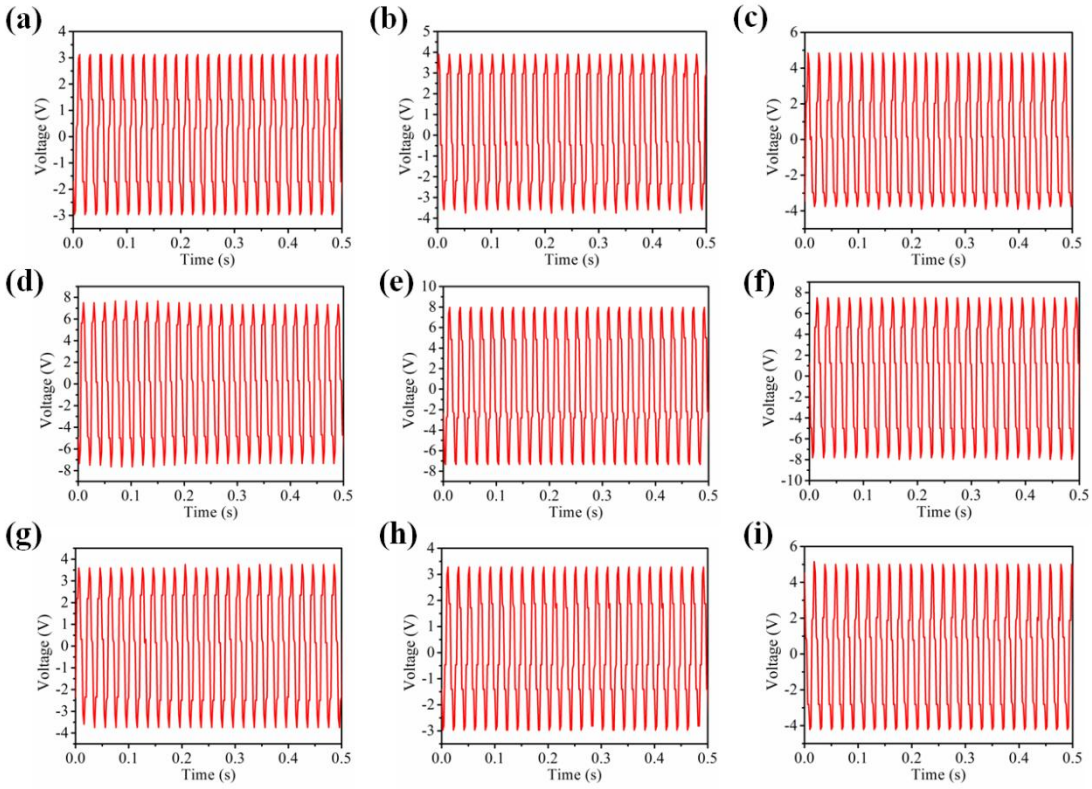

Figure S10. The outputs of nine pixels in the sensor array with vibration frequency of all units to be 50 Hz.

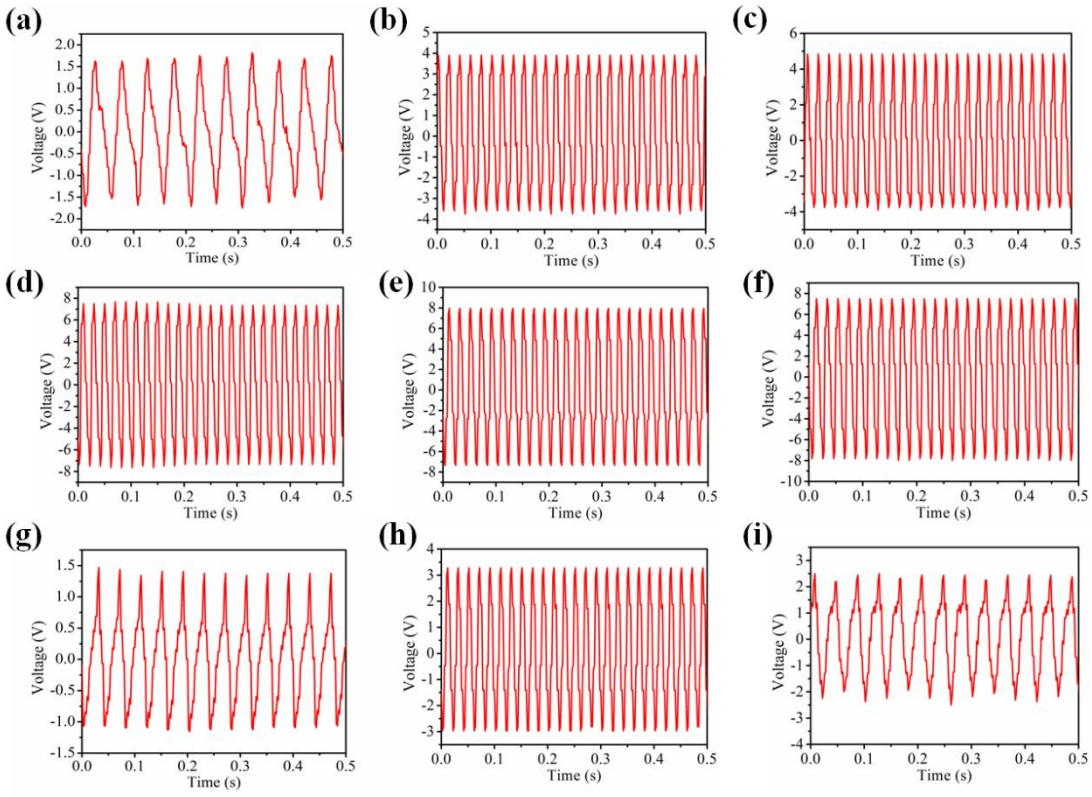

Figure S11. The outputs of nine pixels in the sensor array with vibration frequency of 3 units deviated from normal set value of 50 Hz.

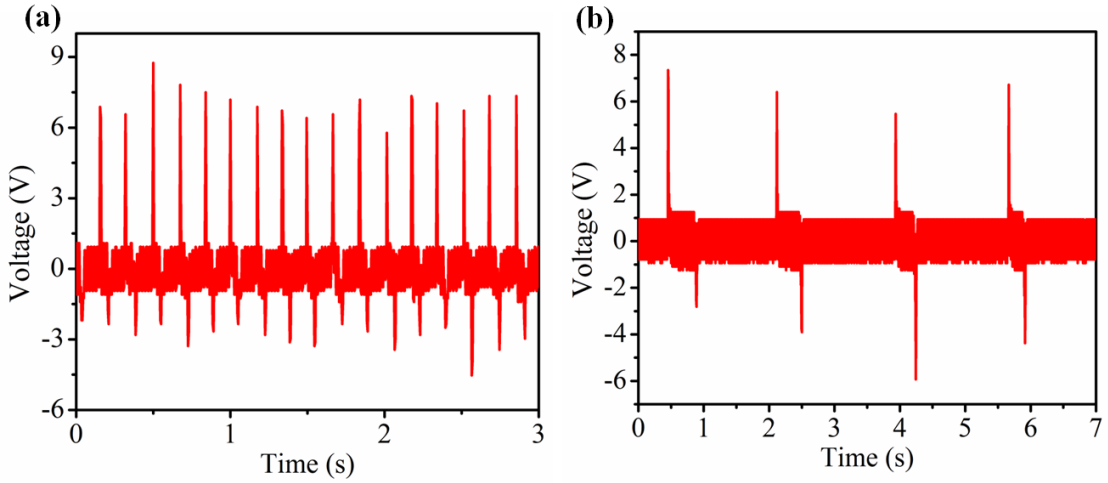

Figure S12. The outputs of 2 pixels in the sensor array when two pixels in the matrix were knocked by two fingers under different frequency.