# ABSTRACT

The present invention provides an architectural decoration panel dry-hang structure free in mounting-dismounting and flexible in size combination, wherein the architectural decoration panel dry-hang structure is provided with a vertical keel frame fixed on a wall surface, a transverse skeleton nut is disposed inside a vertical keel frame mounting groove on the vertical keel frame, the transverse skeleton nut is of a rectangle shape and has two opposite curved angles, a transverse skeleton is located outside the vertical keel frame, a transverse skeleton screw is screwed with the transverse skeleton nut after traversing the transverse skeleton, and the curved angles of the transverse skeleton nut lean against the side wall of the vertical keel frame mounting groove; and a coupling assembly disposed at the back of an architectural decoration panel component is inserted in a transverse skeleton mounting groove provided for the transverse skeleton so that the architectural decoration panel component is hung on the transverse skeleton. The present invention realizes high security, simple structure, convenient and quick mounting, environment protection and free of contamination of an architectural decoration panel mounting structure, and saving the cost.