Image Sensor Package Utilizing a Removable Protection Film and Method of Making the Same

ABSTRACT OF THE INVENTION

The present invention discloses a structure of image sensor package utilizing a removable protection film. The structure comprises a substrate with a die receiving cavity and inter-connecting through holes. Terminal pads are formed under the inter-connecting through holes and metal pads are formed on an upper surface of the substrate. A die is disposed within the die receiving cavity by an adhesion material. Bonding pads are formed on the upper edge of the die. Bonding wires are coupled to the metal pads and the bonding pads. A protection layer is formed on the micro lens area to protect the micro lens from particle contamination. A removable protection film is formed over the protection layer to protect the micro lens from water, oil, dust, or temporary impact during the packaging and assembling process.

FIG. 4