The most important factors influencing the export performance of the textile-apparel industry are the foreign income level, real exchange rate and relative prices. In the study, the function of textile-apparel industry exports is investigated by using monthly data, covering 1998-2011. For the variables of textile-apparel industry export, real exchange rate, Euro area of industrial production index and relative prices, first of all ADF unit root tests are carried out. All of the variables are found to be same degree integrated. Thus, long run relations among the variables are examined in the framework of Johansen co-integration analysis. In accordance with the long run relation explored, vector correction model (VECM) is estimated. In conclusion, some evidence are found that there is a long-run relationship among textile-apparel industry, the real exchange rate, Euro area of industrial production index and relative prices.