

## **Easy-to-use Digital Mapping System**

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KEY WORDS: Easy-to-use, Photogrammetry, Digital, mapping

### ABSTRACT:

The data of cartography and GIS are mainly acquired from digital photogrammetry nowadays. However, the digital photogrammetry system (DPS) or workstation (DPW) is a complex system with some special hardware, and it is hard to use for the cartographers. The hardware includes hand wheels and foot disk for measuring and Liquid crystal shutter system or polarizing system or stereo reflector for stereo observation. In this paper, a simple digital mapping system, SDMS, is introduced. SDMS is a easy-to-use DPS with no special hardware except the computer and red-green glasses. The main functions of SDMS, including input, orientations, basic productions and output are introduced too.