(4) indoor-outdoor seamless modelling, it reconstructs 3D models containing detailed descriptions of both its appearance and its internal structure.

The system is applied to the indoor-outdoor seamless modelling of distinctive architecture existing in two typical cultural tourism zones, that is, Tibetan and Qiang ethnic minority villages in Sichuan Jiuzhaigou Scenic Area and Tujia ethnic minority villages in Hubei Shennongjia Nature Reserve, providing a new method and platform for protection of minority cultural characteristics, 3D reconstruction and cultural tourism.

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