

## Supplementary Material for R<sup>3</sup>LIVE++: The qualitative results of our reconstructed radiance map on R<sup>3</sup>LIVE-dataset

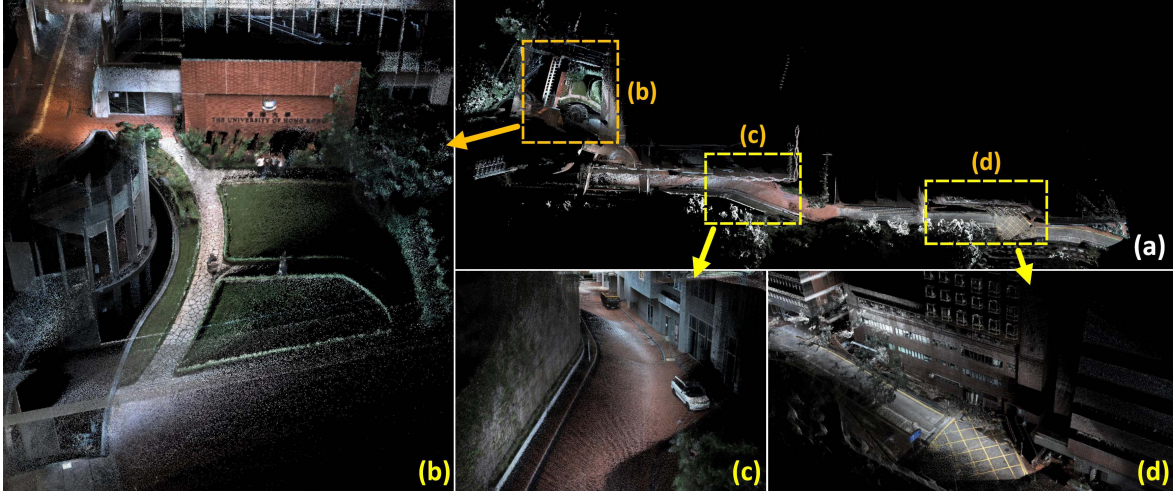


Fig. 1 – Sequence “hku\_campus\_seq\_01” are collected by walking along the drive way of the HKU campus. (a) is the birdview of the whole radiance map, with its details shown in (b~ d).

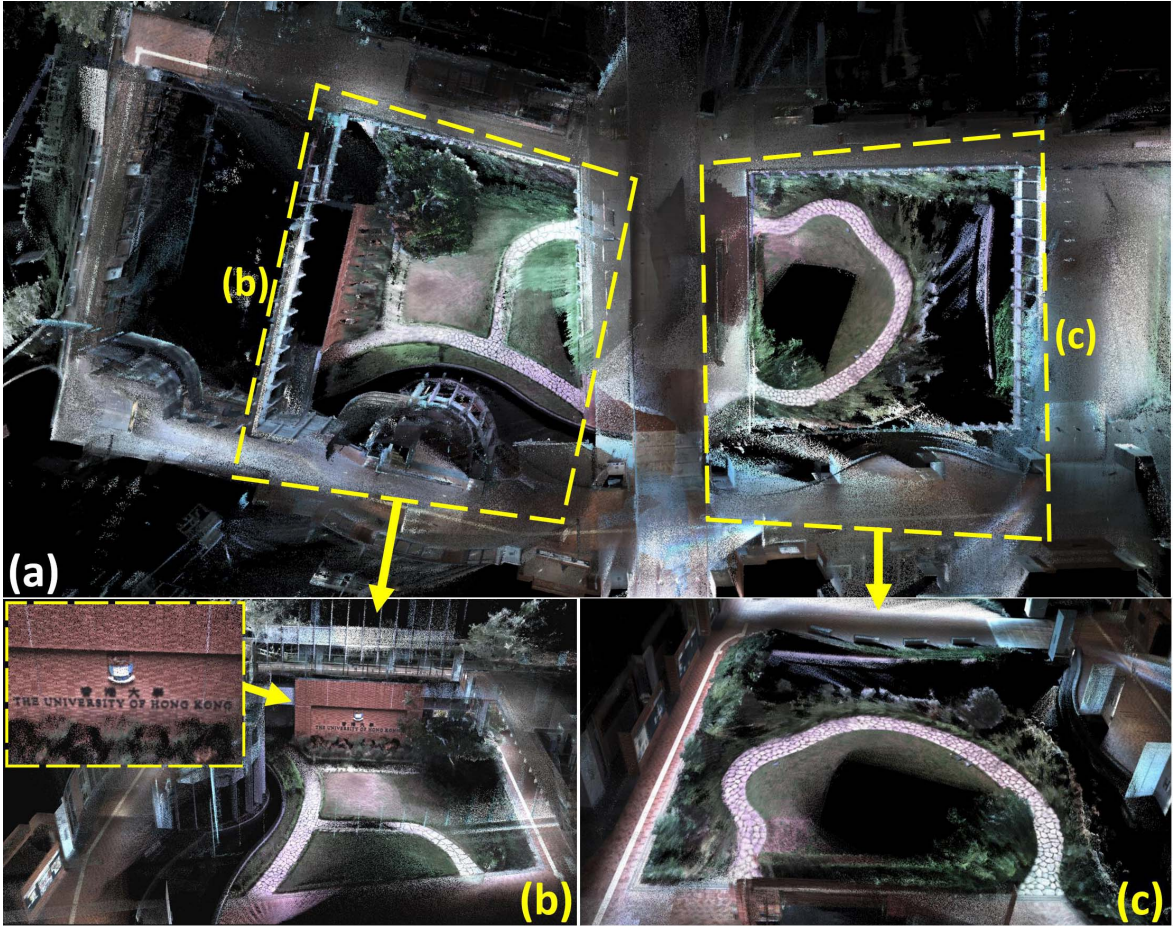


Fig. 2 – Sequence “hku\_campus\_seq\_00/02/03” are sampled at the same place but at different times of day (evening, noon and morning, respectively) and with different traveling trajectories. (a) is the birdview of map of sequence “hku\_campus\_seq\_02”, with the closeup view of details are shown in (b) and (c).



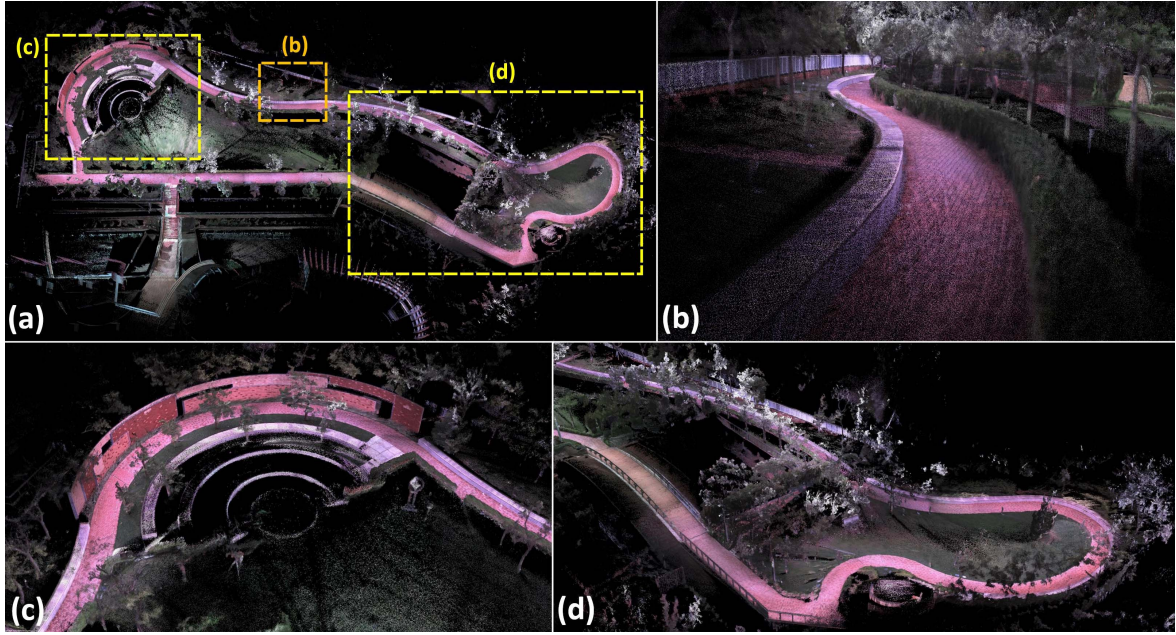


Fig. 3 – Sequence “hku\_park\_00” is collected by walking along the pathway of a garden of HKU. (a) is the birdview of the whole radiance map, with its details shown in (b~ d).

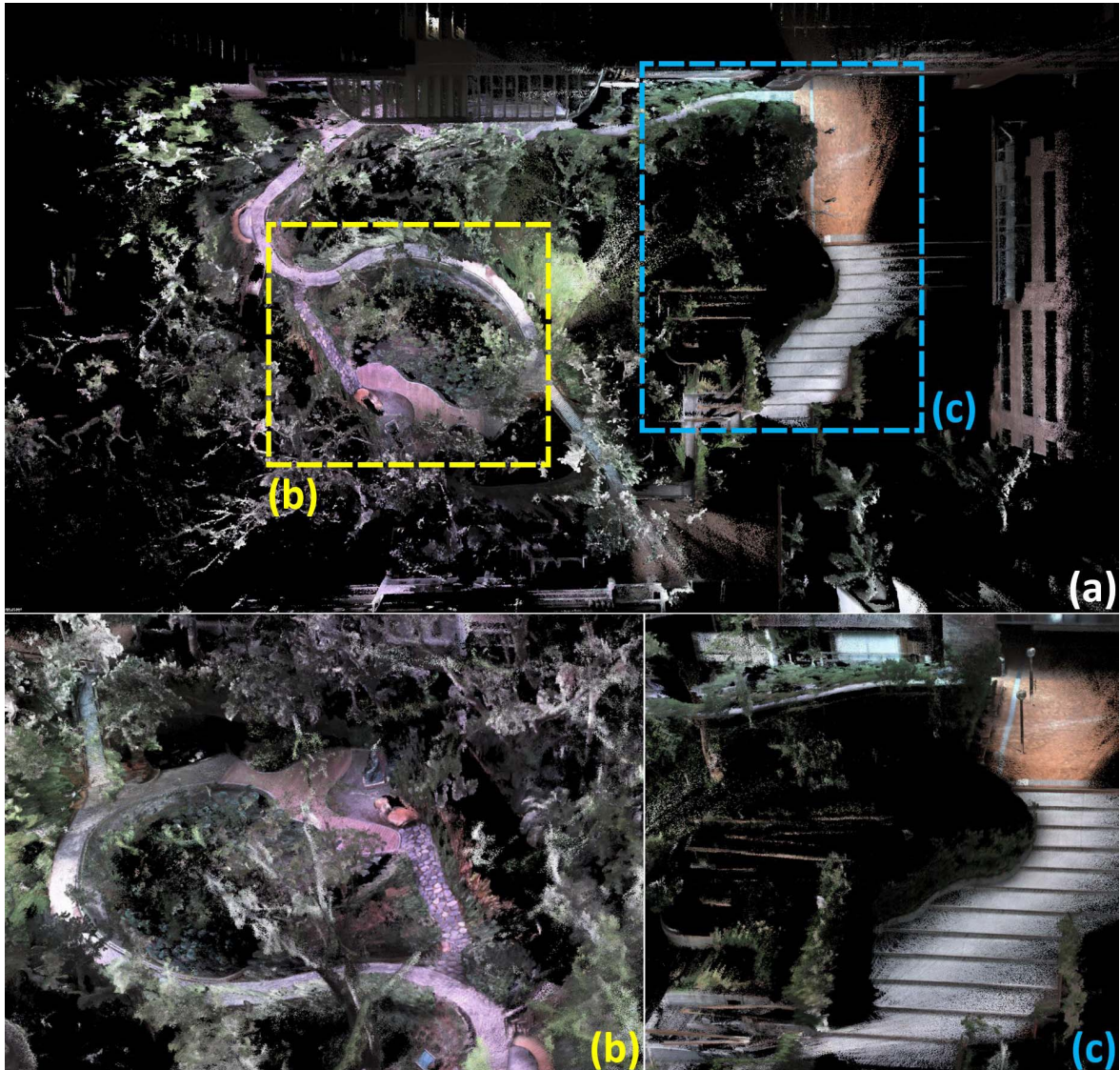


Fig. 4 – Sequence “hku\_park\_01” is collected in a cluttered environment with many trees and bushes. (a) is the birdview of the whole radiance map, with its details are shown in (b) and (c).



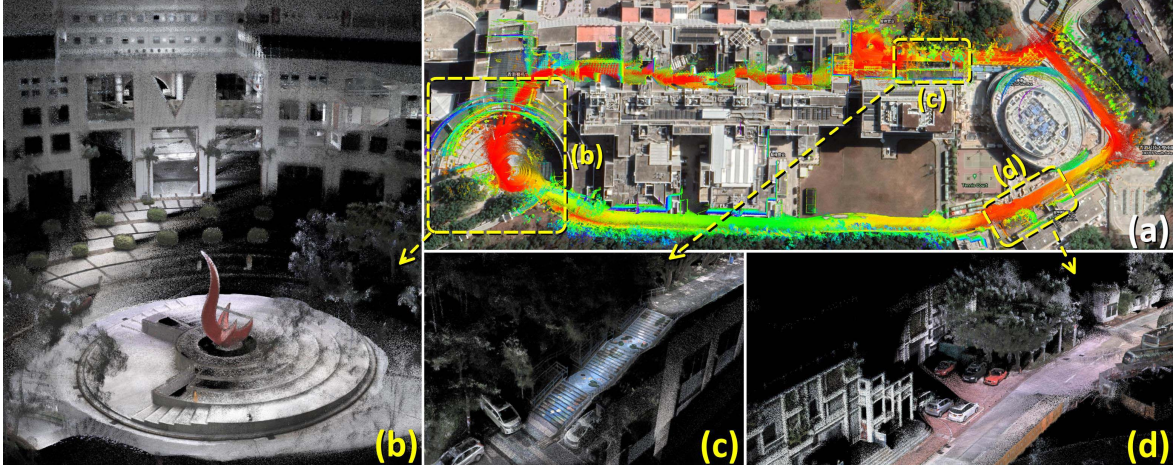


Fig. 5 – Sequence “hku\_campus\_seq\_00/01” are collected within the campus of HKUST with two different traveling trajectories. In (a), we merge the point cloud of sequence “hku\_campus\_seq\_00” with the GoogleEarth satellite image and find them aligned well. The details of our reconstructed radiance map are selectively shown in (b~d).

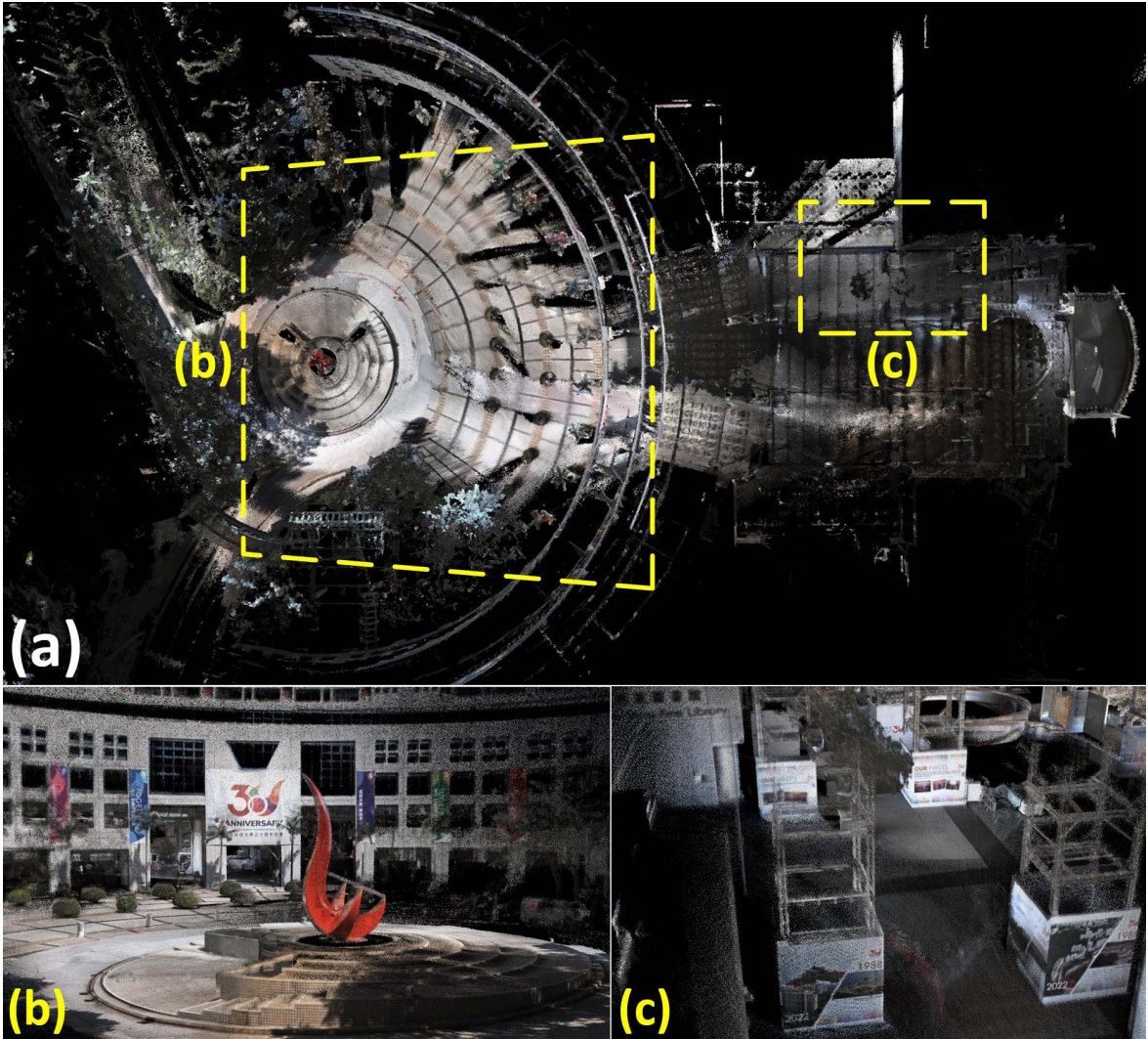


Fig. 6 – Sequence “hku\_campus\_seq\_02” is collected by exploring the entrance piazza of HKUST, traveling both the interior and exterior of the buildings. (a) is the birdview of the whole radiance map, with the outdoor and indoor scenarios selectively shown in (b) and (c), respectively.



