

Micro Raman Accessory

Microscope Objective
UVI 74x

Achromatic Broad
Spectral Range
Microscope Objective
from UV to NIR

The objective UVI 74x is an achromatic broad range objective, based on Schwarzschild optical design. It is a fully reflective solution that removes all chromatic aberrations typically observed for UV objectives.

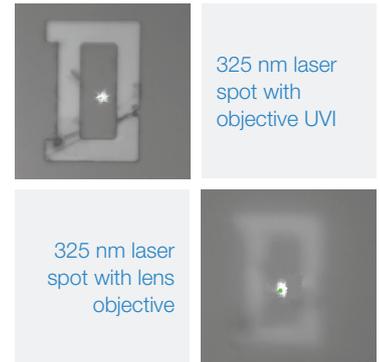
It is an ideal solution for applications requiring high throughput and excellent spatial resolution in a broad spectral range from UV to NIR.



Microscope Objective UVI 74x

The objective UVI 74x is ideally suited for use in combination with the achromatic design of the LabRAM HR Evolution.

- **Achromatic design** is highly desired when working with a very broad spectral range - without it, users will experience focus shift, intensity loss and strongly distorted depth resolution. When coupled with a true mirror based achromatic spectrograph, this objective ensures the advantages of UV Raman free from chromatic aberrations that blur and degrade both your spatial and spectral resolution.
- **High throughput** from UV to NIR is achieved due to the reflective design. Its transmission ratio (typically 80 %) is almost constant over the full range.
- **Excellent spatial resolution** - near diffraction limited performance, this objective exhibits excellent spatial resolution over the full range.
- **Fluorescence free** - no autofluorescence is generated by this objective.



| Specifications | |
|----------------------------|-----------------------------|
| Magnification | 74x * |
| Numerical aperture (N.A.) | 0.66 ± 0.01 |
| Spectral range | [200 nm - 5000 nm] |
| Working distance | 1 mm |
| Field number (F.N.) | 18 |
| Raman system compatibility | LabRAM HR Evolution, T64000 |

* For tube lens focal length of 200 mm

Find out more at www.horiba.com/raman



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