

Parameters	HoloView 3DRI Premium	HoloView 3DRI Benchtop (Electric)	HoloView 3DRI Benchtop (Manual)
Characterisation wavelength		633nm	
Characterisation size	10cm x 10cm	50mm x 50mm	25mm x 25mm
Repeat positioning accuracy	±100nm	±1 µm	Depending on operators
Splicing function	Basic splicing capabilities 1. 50X NA0.9 lens (Standard): FOV 85 µm*85 µm*40 µm (recommended for waveguide characterisation). Spatial resolution is 255 nm. 2. 100X NA1.45 lens (Standard): FOV 42.5 µm*42.5 µm*20 µm (recommended for FBG characterisation). Spatial resolution is 158 nm. 3. Special lenses required: please contact sales@innofocus.com.au	Not suitable for high precision splicing 1. 50X NA0.9 lens (Standard): FOV 128 µm*128 µm*60 µm (recommended for waveguide characterisation). Spatial resolution is 255 nm. 2. 100X NA1.45 lens (Standard): FOV 64 µm*64 µm*30 µm (recommended for FBG characterisation). Spatial resolution is 158 nm. 3. Special lenses required: please contact sales@innofocus.com.au	Not suitable for high precision splicing 1. 50X NA0.9 lens (Standard): FOV 128 µm*128 µm*60 µm (recommended for waveguide characterisation). Spatial resolution is 255 nm. 2. 100X NA1.45 lens (Standard): FOV 64 µm*64 µm*30 µm (recommended for FBG characterisation). Spatial resolution is 158 nm. 3. Special lenses required: please contact sales@innofocus.com.au
Characterisation field of view and spatial resolution			
Imaging fineness	50X Lens: 83 nm/pixel, equals to 306020 dpi 100X Lens: 41.5 nm/pixel, equals to 612050 dpi	50X Len: 125 nm/pixel, equals to 203200 dpi 100X Lens: 62.5 nm/pixel, equals to 406400 dpi	50X Lens: 125 nm/pixel, equals to 203200 dpi 100X Lens: 62.5 nm/pixel, equals to 406400 dpi
Fixture	1. Fixture for single sample characterisation, applicable to any form of sample (standard) 2. Fixture for multiple samples characterisation regarding specific requirement, users are required to provide demo size for customisations. Eg. Slides (75 mm x 25 mm), capable of holding 4 slide samples, each sample's central coordinates can be located by coordinate parameters (optional) 3. Fixture specialised for FBG characterisation with V-Groove, applicable to standard fibre sample (optional) 4. Fixture for bias preserving, multi-core fiber FBG characterisation, enables fibre rotation for different views (optional) 5. Fixture for liquid samples (optional)		
Imaging speed	2 3D volumetric images/second	0.5 3D volumetric images/second	1~2 3D volumetric images/second depending on operator
Large-scale Splicing Function	Capable, manual operation required	N/A	N/A
Characterisation Materials	Glasses (incl. chalcogenide glass), crystals (eg. LiNbO3), polymers, fibres, quartzes, sapphires, diamonds, transparent ceramics, transparent liquids and other transparent optical materials. (Enquire us more about more materials)		
Structures for characterisation	1. Polymer structure, including PWB and normal waveguides 2. Waveguide structures and complex structures in glasses and crystals 3. Different FBGs characterisation including single-core, multicore, single-mode, less-mode, multimode, bias-preserving, and specialised FBGs, as well as complex FBG structures including point-by-point, line-by-line, face-by-face FBG structures. Also capable to do normal FBGs, chirped FBGs and apodised FBGs.		
Optical table required	Yes	No	No