

## JD8554 SDK Series for Spatial Light Modulator (SLM)

The JD8554 series offer Full HD resolutions of an array of 1920 x 1080 pixels at field sequential color speeds. The JD8554 series are the system development kit for JD5552 microdisplay series at different wavelength selection, targets diverse applications, ranging from DOE, HOE, Laser processing, Holography, WSS, Holography Data Storage applications. The kit also includes the associated FPGA board and evaluation modulation software.



### Main Features

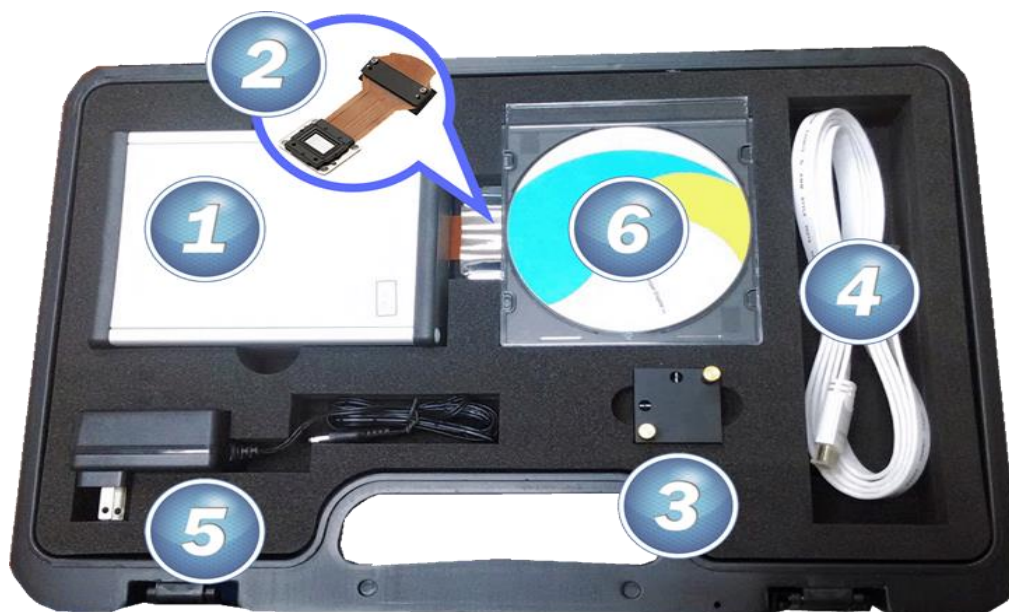
- Phase Type and also Amplitude Type
- Input: 1080p@60Hz
- Retardation (at 633nm):  $\geq 2\pi$
- Response Time < 50ms
- HDMI 1.4
- Display kit S/W support
- LabView example support



## Specifications

<b>Display Type</b>	Reflective LCoS		
<b>Resolution</b>	1920 × 1080		
<b>Active Area Diagonal</b>	0.55"		
<b>Active Area</b>	12.5mm × 7.1mm		
<b>Pixel Pitch</b>	6.4μm		
<b>Fill Factor (Aperture Ratio)</b>	≥93%		
<b>Waveband</b>	1550 nm	405~532 nm	445~800nm
<b>Numbers of Input Level</b>	8-bit		
<b>Input Signal Speed (HDMI)</b>	60Hz		
<b>Retardation</b>	≥2π @ 633 nm		
<b>Response Time</b>	<50ms at typical operating temperature (2π)		
<b>Input Signal I/F</b>	HDMI 1.4		
<b>Power Supply</b>	IN: 100~240 VAC; OUT: +12V, VDC/2A		

## In-Box Contents



Content List		
No	Item	Q'ty
①	Driving System (aluminum case)	1
②	JD5552 Microdisplay Module	1
③	Panel Holder	1
④	HDMI Cable	1
⑤	DC 12V/2A Power Adaptor	1
⑥	Software & Content Disc (incl. Warranty Card)	1
-	Extender Flex Cable Set (Connect between Driving System and Microdisplay)	1
-	Mini USB Cable	1
-	Neoconix Mounting	1
-	Neoconix Connector	2
-	Neoconix Cover	2