

# NIR Wavelength DMD Spatial Light Modulator

## HDSLM108D65NIR Series

Ultra-high Speed Models    Smart Ultra-high Speed Models    Ultra-large Capacity Models

 **800-2000nm**  
Wavelength

 **1280\*800**  
Resolution

 **10.8μm**  
Micromirror Pitch

Wavelength 800-2000nm  
1280\*800 resolution  
10.8μm micromirror pitch  
Three versions available for sales: ultra-high speed version, smart ultra-high speed version and super capacity version  
The ultra-high speed version features 16GByte/128Gbit memory and ultra-high speed frame rate > 11KHz  
The smart ultra-high speed version features built-in smart algorithm  
The super capacity version features optional on-board SSD storage at minimum 1TB

### Product Parameter

| Type                                 | HDSLM108D65NIR-DDR                     |  | HDSLM108D65NIR-SSD |
|--------------------------------------|----------------------------------------|--|--------------------|
| Resolution                           | 1280*800                               |  |                    |
| Micromirror Pitch                    | 10.8μm                                 |  |                    |
| Wavelength                           | 800-2000nm                             |  |                    |
| Array Diagonal Size                  | 0.65”                                  |  |                    |
| Micromirror Array Optical Efficiency | 75%                                    |  |                    |
| Reflectivity                         | Depend on                              |  |                    |
| Fill Factor                          | 94%                                    |  |                    |
| Frame Rate (1bit/8bit/16bit)         | 11764Hz/522Hz/3Hz                      |  |                    |
| Bit Depth                            | 1-16bit                                |  |                    |
| RAM Capacity                         | 16Gbyte                                |  | 8Gbyte             |
| Onboard Storage                      | /                                      |  | SSD 1T/2T/4T       |
| Configure Interface                  | USB2.0                                 |  |                    |
| Input Interface                      | Gigabit Ethernet/USB3.0                |  |                    |
| DMD Datum Angle                      | Horizontal design / Oblique 45° Design |  |                    |

