


# Z-laser Products

id	Product Name	Image	Intro
1	Z-Laser Projector  LP-HFD2		<p>The LP-HFD2 is the successor of our reliable laser projector LP-HFD. In addition to the new housing, stated IP65,the development has been focused on temperature stability in particular.</p> <p>Fiber-coupled lasers (with red and/or green laser source) are applied with output power of 7 mW. When requested, output power up to 28 mW is possible. The range of standard optic focus is 0.5 m to 7.0 m.</p> <p>With a tele-optic, working distances up to 14 m can be realized. For higher ambient temperatures there are several cooling options available such as extended air hose or water cooling system.</p> <p>Typical data connection is Ethernet, more communication options via PROFINET or serial connection are also possible.</p> <p>HIGHLIGHTS</p> <ul style="list-style-type: none"><li>• Very exact, fast and stable laser projection</li><li>• Optimized for projection on 3D objects</li><li>• High fber-coupled laser beam performance</li><li>• Large fan angle enables large operating range (up to 80° x 80°)</li><li>• Industrial IP65 housing</li><li>• Improved thermal management</li><li>• Operating up to 60 °C ambient temperature with water cooling</li><li>• Optional extended air hose and water cooling</li><li>• Data transmission serial or Ethernet</li><li>• Integration to a multiprojection system</li></ul>