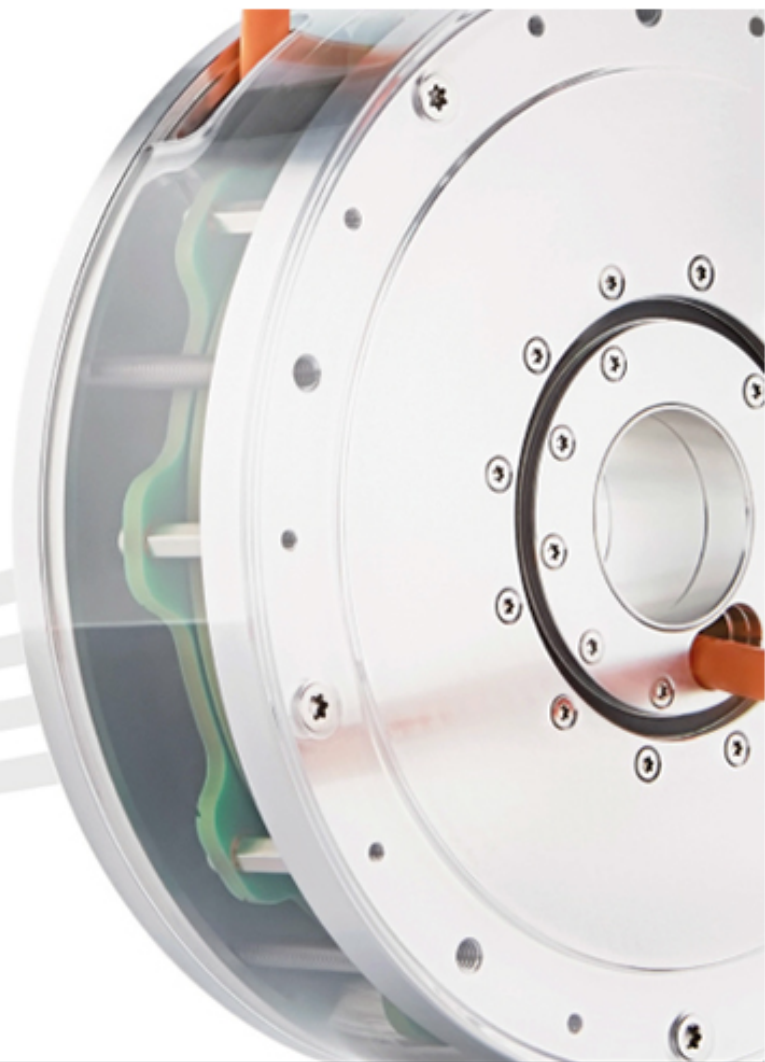




**venturetec**  
mechatronics  
rotating systems



# VMotion-HDR

VENTURETEC MECHATRONICS GMBH

# VMotion-HDR



## Technical details:

<b>Rotation Speed</b>	Up to 10.000 rpm
<b>Supply Voltage</b>	Nom. 24V (range 15 V - 36 V)
<b>Bit Error Rate</b>	BER < 10 <sup>-12</sup>
<b>Lifetime</b>	> 100 Mio. revolutions
<b>Typical Dimensions</b>	Outer Diameter: 135 mm to 500 mm Free Inner Bore: 10 mm to 300 mm Length: min. 41,5 mm

CONNECTING A WORLD IN MOTION

# Venturetec Contactless Data Transmission Module

A key purpose of current state Slip Ring Systems is transmission of High Data Rates (HDR), as utilized in HD-Video, ProfiNet, EtherNet, CAN Bus, Gigabit Ethernet and other communication links. Contacting slip ring technologies are not sufficient in quality and BER (Bit Error Rate) to process High Data Rates effectively. VENTURETEC's VMotion - HDR Series, our contactless capacitive data transmission system, provides superior and versatile range for such transmission demands in small as well as bigger housing sizes with multiple channels and free inner bore.

## Technical details:

<b>Ethernet</b>	100Base-TX 1000Base-T
<b>Realtime Ethernet</b>	Ethernet Powerlink Profinet EtherCAT HD-Video Others on request
<b>CAN Bus</b>	High Speed CAN up to 1 Mbit/s High Speed CAN with CAN FD Data up to 5 Mbit/s
<b>High-Speed Digital Signals</b>	2.5 Gbit/s, 4.25Gbit/s, 5 Gbit/s, 6,25 Gbit/s, 10 Gbit/s and more
<b>Number of channels</b>	1 up to 20



CONNECTING A WORLD IN MOTION

A member of Berndorf group



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