

## **DIVIMATH Introduces Advanced FPV Digital Solution for High-Definition Video Transmission**

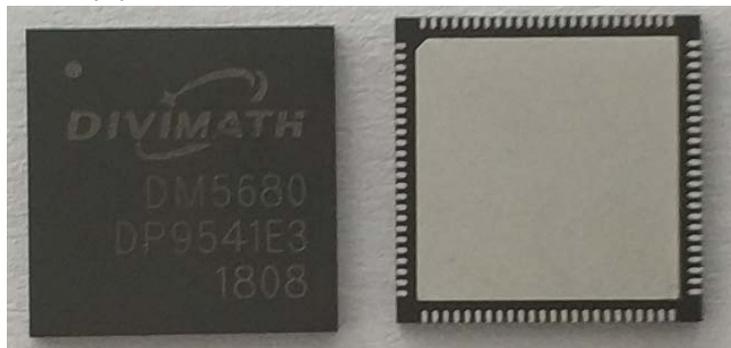
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DIVIMATH today announced HDZero™, an advanced digital solution for high-definition (HD) wireless image transmission that uses the AD936x series of RF transceivers from Analog Devices, Inc. (ADI). Increased market demand for remote mobile devices, including racing drones and autonomous driving systems, is also driving demand for robust RF links and high-definition wireless transmission. The HDZero™ solution of DIVIMATH's digital high-definition wireless transmission with ADI's AD936x RF transceivers and the DIVIMATH's DM5680 baseband chip enable high-definition video stabilization and near-zero latency at very low signal-to-noise ratios during transmission.



Since the FPV racing drone flies at speeds of up to 125 mph (200 km/h), real-time and reliable reception of high-definition video is essential for the controller to effectively control the drone. The AD936X RF transceiver chips from ADI cover the RF band (47MHz – 6GHz), support a bandwidth of 20MHz and higher, and come with dual-transmitter dual-receiver and automatic gain control, guaranteeing high-quality RF transmission.

The DM5680 chip achieves near-zero latency by transmitting original video in an uncompressed video stream. In addition, the DM5680 provides full audio and data links from air to ground equipment.



HDZero™ solution features:

- ※ Latency < 1ms
- ※ Smart anti-interference
- ※ Transmission distance  
1.3Km (5.8GHz, 20dBm)  
22Km (520MHz, 30dBm)
- ※ Up to 1080P30 video resolution
- ※ Small size  
Transmitter 35mm x 40mm  
Receiver 65mm x 75mm

### **关于 DIVIMATH**

DIVIMATH 成立于 2013 年，是一家致力于数字高清无线图传的芯片设计公司。DIVIMATH 拥有世界顶级的高清视频传输芯片设计专家，在基带传输领域和视频编解码及图像处理领域具有丰富的行业经验、极强的技术原创力和深厚的技术积累。DIVIMATH 以打造第一视角 (FPV) 领域全球领先的数字高清无线图传芯片为目标，设计出全球行业领先的数字高清无线图传方案，其核心是基于无线视频传输近零延时，高分辨率，智慧抗干扰基带传输算法。DIVIMATH 是 FPV 数字高清视频传输领域首屈一指的行业领头人。更多信息请访问：[www.divimath.com](http://www.divimath.com)

### **About Divimath**

Founded in 2013, DIVIMATH is a chip design company dedicated to digital HD wireless image transmission. DIVIMATH has the world's top HD video transmission chip design experts with a wealth of industry experience, strong technical innovation capacity and tremendous technical strength in the fields of baseband transmission, video codec and image processing. DIVIMATH aims to create the world's leading digital high-definition wireless image transmission chip in the field of first person view (FPV), and design the world's leading digital HD wireless image transmission solution. Its core strength is based on wireless video transmission with near-zero latency, high resolution, and smart anti-interference baseband transmission algorithm. DIVIMATH is the industry leader in FPV digital HD video transmission. For more information please visit: [www.divimath.com](http://www.divimath.com)

### **关于 ADI**

Analog Devices 是全球领先的高性能模拟技术公司，致力于解决最棘手的工程设计难题。我们使客户能够利用无与伦比的技术进行检测、测量、供电、连接和解读，智能地在模拟和数字领域之间架起桥梁，从而了解我们周围的世界。详情请浏览：[www.analog.com/cn](http://www.analog.com/cn)

### **About Analog Devices**

Analog Devices is a leading global high-performance analog technology company dedicated to solving the toughest engineering challenges. We enable our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure, power, connect and interpret. Visit <http://www.analog.com>