



BlueBird SDI Adapter - Video capture and SDI to USB/HDMI conversion

The **BlueBird SDI Adapter** is designed for format conversion of 3G-SDI, HD-SDI and HD-VLC video streams; it operates as a **USB/HDMI/SDI converter** and **external frame grabber** for video streaming and video capture.

The adapter can be purchased as a **standalone board**, or **housed in a rugged enclosure** for harsher environments.



The BlueBird SDI Adapter is perfect for

- **Simultaneous low latency video interface conversion** (SDI to HDMI/USB3/SDI).
 - **Long-reach video** cable applications where video needs to be **stored/viewed in real time** at the end of the SDI cable (e.g. viewing with a standard monitor and storing using a PC in parallel).
 - Applications requiring **SDI** video to be transferred **over low cost-twisted pair cables** (e.g. Ethernet cable).
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What does it do?

The video input signal is supplied via the BNC connector, or via the Ethernet (RJ45) connector. Three simultaneous video output formats are supported: **3G-SDI/HD-SDI** or **HD-VLC** (via BNC), **HDMI** (via standard HDMI connector), and **SuperSpeed USB/USB Video Class (UVC) v1.1** output (via USB Type-C cable).

A remote camera connected by RS-485 may be controlled via the USB connection. The RJ45 connector enables RS-485 camera control signals, camera power supply and HD-VLC compressed video input (over twisted pair). The built-in test pattern generator, auto-sensing of active input and compliance with SMPTE 274M and SMPTE 296M are some of the features which make this adapter versatile and simple to add into existing vision systems.

[Enquire about this product](#)



The SDI adapter for updating SDI systems

The **BlueBird SDI Adapter** provides a quick and cost-effective **solution for industrial vision systems with SDI cameras** where a frame grabber or accompanying software is no longer supported or going obsolete.

It is also ideal for **upgrading legacy systems** where the intent is to move to USB/HDMI output cameras, or systems where currently only SDI cameras are suitable (such as those with legacy coaxial cabling).

HD-VLC for HD video transmission over long distances

The BlueBird SDI Adapter **automatically decodes HD-VLC encoded video streams**, as well as standard 3G/HD-SDI streams; HD-VLC video is encoded HD data that allows visually lossless transmission over long cable distances and can be delivered by one of our **3G-SDI/HD-SDI AF-zoom block cameras**.


See our White Paper on **long-reach HD digital video solutions** with this technology and watch this **video**.



We offer **custom design services** and can adapt the product if it does not meet all your requirements. **Get in touch** to find out more about the **BlueBird SDI Adapter** and our services.

Active Silicon is a leading manufacturer of imaging products, embedded systems and custom solutions. If you would like to stay informed of upcoming events, products and news in general, then please follow us on one of our social media channels below.



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