

Press Release

## **AVerMedia Mini-PCIe Frame Grabber Solutions on NVIDIA Tegra K1 Platform**

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AVerMedia today announces Mini-PCIe frame grabber solutions on NVIDIA Tegra K1 platform.

DarkCrystal HD Capture Mini-PCIe C353 is a proven Mini Card frame grabber for various industrial applications. Features of C353 include the small form factors and the support of HDMI and VGA video capture up to 1080p30, with the acceptance of video input at 1080p60. C353 also comes with an extended temperature version, C353W, which can operate in the temperature range from -40°C to +85°C.

Both C353 and C353W are very much suitable for the applications of robotics, UAV (i.e. drone), medical image, UGV, AOI, and other video-enabled equipment for automation, AI, and deep learning. For the detailed functional specifications of C353 and C353W, please refer to the following links.

- <http://www.avermedia.com/professional/product/c353/overview>
- <http://www.avermedia.com/professional/product/c353w/overview>

As the leading expert of frame grabber solutions worldwide, AVerMedia now offers Linux driver, OpenCV integration, and other support of C353/C353W on NVIDIA Tegra K1 platform, which are listed below.

- C353/C353W Linux driver pre-compiled for Linux4Tegra R21.4  
(<https://developer.nvidia.com/linux-tegra-r214>)
- V4L2 API support
- GStreamer pipeline examples
- Reference code for integrating C353/C353 video capture with GPU/CUDA optimized OpenCV on Tegra K1

The benefit of using AVerMedia C353/C353W on NVIDIA Tegra K1 platform is to enable the application developers to acquire video feeds from many other kinds of cameras and/or video devices through HDMI and VGA interfaces. This can greatly free up the application developers from the constraint of NVIDIA Tegra K1 platform, which currently can only acquire video feeds through MIPI-CSI or USB interfaces.

Following this C353/C353W support on NVIDIA Tegra K1 platform, AVerMedia is also working on more frame grabber solutions on Tegra K1 and X1 platform. Should you need the early engagement with our work, please send us an email @ [Liwen.Liu@avermedia.com](mailto:Liwen.Liu@avermedia.com).

### **About AVerMedia Technologies**

AVerMedia is the leader in Digital Video and Audio Convergence Technology. Aside from the full line of TV Tuners and gaming recorder products, AVerMedia provides frame grabbers, streaming encoders and video systems for consumer and corporate markets. As a leader in innovative manufacturing and environmentally friendly products, AVerMedia is also highly involved in community and social responsibilities. AVerMedia also partners with ODMs for the development of AVerMedia's technologies for integrated applications.

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