



## DarkCrystal 750 CD750

Tailor Your 1080p 60fps Raw Data with SDK

USB 3.0

Full HD  
1080p 60

DarkCrystal 750 is the first USB 3.0 capture box packaged with an exclusive capture SDK that supports a range of programming languages, including VB, VC, Delphi, VB.Net, and C#. In addition, DarkCrystal 750 also offers excellent flexibility with DirectShow-compliant software and compatibility with other third-party video software. With **VESA resolution support** and extreme low latency, it provides a number of editing features for 1080p 60fps uncompressed videos specific for developers. DarkCrystal 750 represents a complete package for simplifying the process of recording and streaming full HD videos.

### Features

- Captures video in 1080p 60fps
- Bundled with exclusive capture SDK
- Works with popular video editing software
- Enables HDMI and/or component input
- 3rd party plug-ins: Adobe Premiere Pro CS6, Sony Vegas Pro, ImageJ
- Software compatibility: DirectShow-compliant software: XSplit, OBS, VLC media player, Potplayer, Graph Edit, Adobe Flash Media Live Encoder, AMcap, Windows Media Encoder 9

### Applications

#### Research



DarkCrystal 750 brings powerful 1080p 60fps video quality, USB 3.0 connectivity, and HDMI or component input sources. With the support of ImageJ, lab researchers and users can enjoy enhanced image processing.

#### Education



Make distance learning more adaptable by live streaming with DarkCrystal 750. Both DirectShow support and a range of third party plug-ins add functionality upgrades for more efficient streaming.

#### Digital Signage



Besides DirectShow compatibility, DarkCrystal 750 also features a customizable SDK. System integrators and other users will find it a versatile resource for multiple programming languages to create the features they need.

### SDK (Software Development Kit)

#### Multi-preview



Preview multiple windows and duplicate the images onto a number of separate screens simultaneously. Ideal for streaming talks, sermons, recitals, performances, or other events.

#### Overlaid video



In addition to overlay support for text, time, and images, users can now overlay videos together from multiple sources. Suitable for videoconferencing or educational broadcasting.

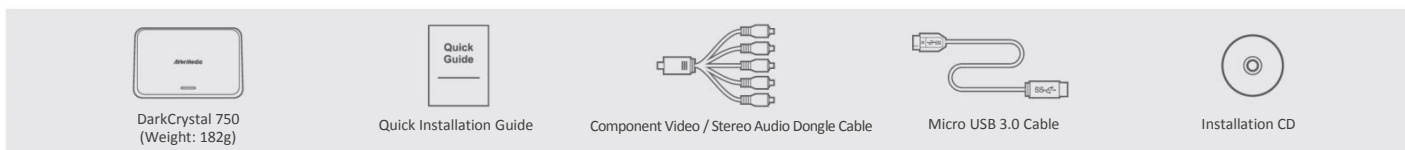
- Acquire audio from sound card or other audio devices
- Snapshot while recording
- Motion detection
- HDCP preview
- Advanced de-interlacing
- Downscale and upscale video size
- Noise reduction
- Horizontal/vertical mirroring
- Record in AVI, H.264, MPEG-2, or WMV format

### System Requirements

- For SD Video Capturing (MPEG-2)
    - Intel Core™ i3-3210 3.2 GHz
  - For Full HD Video Real-Time Capturing (MPEG-2)
    - Intel Core™ i5-3570 3.4 GHz
  - For Full HD Video Real-Time Capturing (H264)
    - Intel Core™ i5-3570 3.4 GHz
  - For Full HD Video Real-Time Capturing (WMV)
    - Intel Core™ i5-3570 3.4 GHz
  - For Full HD 1920×1080 Video Capturing (AVI)
    - SSD Read/Write: 300 MB/s or above
  - Memory with dual channel architecture
  - 4 GB RAM or above
  - CPU with Ivy Bridge platform or newer
  - NVIDIA GT630 or above and with support for DirectX 10 or above
  - Windows 8.1 (32 / 64 bit) / 7 (32 / 64 bit)
  - Intel chipset with native USB 3.0 host controller (Verified chipsets: Intel, Renesas, Fresco, VIA, ASMedia\*)
- \* With ASMedia chipset, 1080p 60 FPS recording is only supported when running Windows 8.1 with Microsoft's built-in USB 3.0 driver

Interface	USB3.0	HW Scaler (Frame rate conversion only)	60[fps] (input source) to 60 or 30[fps] 50[fps] (input source) to 50 or 25 [fps]
Input	HDMI (1.3/HDCP 1.3) Component Audio (L/R)	Record Format	MPG, AVI, WMV, MP4 (codec: H.264, AAC)
Resolution	Input resolutions: CE: 480i@60, 576i@50, 480p@60, 576p@50, 720p@50/60, 1080i@50/60, 1080p@24/25/30/50/60 VESA (HDMI only): VGA@60, SVGA@60, XGA@60, WXGA@60, SXGA@60, WUXGA+@60  Capture resolutions: 480p@30/60, 576p@25/50, 720p@25/30/50/60, 1080p@24/25/30/50/60 VGA@60, SVGA@60, XGA@30/60, WXGA@30/60, SXGA@30/60, WUXGA+@30/60  *For complete list of supported resolutions, please refer to the product page on the official website.	Pixel Format	YUY2 (4:2:2)
		Power Requirement	3.7W
		Operating Environment	Temperature: 0 to 50°C Humidity: 15—90% RHNC
		Storage Environment	Temperature: -30 to 65°C Humidity: 15—90% RHNC
		Dimensions	137.2 (w) x 84.8 (d) x 18.55 (h) mm
		Weight	182g

### Package Includes



\*The accessories may vary slightly depending on the country of purchase.