



NEW

Digital Streaming Video (DSV)

- What is DSV?
 - Traditional video as displayed on a TV monitor is analog signal. Only special TV cameras and certain CCD such as Gatan DualVision camera can generate analog video signal. Analog video signal is subject to detector's cosmetic limitations (e.g. non-uniform scintillator, pixel-to-pixel gain variations, etc.).
 - Digital streaming video (DSV) is widely used in webcast (webcam) applications. It is generated by computer software that controls a digital camera. DSV can be viewed or captured by software such as Microsoft NetMeeting or other commercial video Capture/Edit software.
 - Compared to analog video signal, DSV can be "gain normalized", hence free from detector cosmetic imperfections or gain variations. DSV has the higher video quality than analog video.
 - DSV is the ideal choice for *in-situ* TEM observations.
 - DSV in DigitalMicrograph can generate streaming video from any LIVE image window in DM.
 - DSV is a standard feature for ES500W camera, but optional to other Gatan CCD cameras.

PRECISION PERFORMANCE PRODUCTIVITY