

USB DOM Software Solution

MatriVideo NVR Software

Empower any PC with enterprise video recording capabilities

Linux USB DOM Technology Advantages

- ◆ Hardware Flexibility
- ◆ Open Platform
- ◆ Excellent Stability
- ◆ Protection Against Viruses
- ◆ No Single Point of Failure
Due to HDD Malfunction
- ◆ Easy Maintenance
and Troubleshooting
- ◆ Minimal Installation Time

High Availability.

Maintain uptime with standard failover features and a distributed architecture

High Resolution.

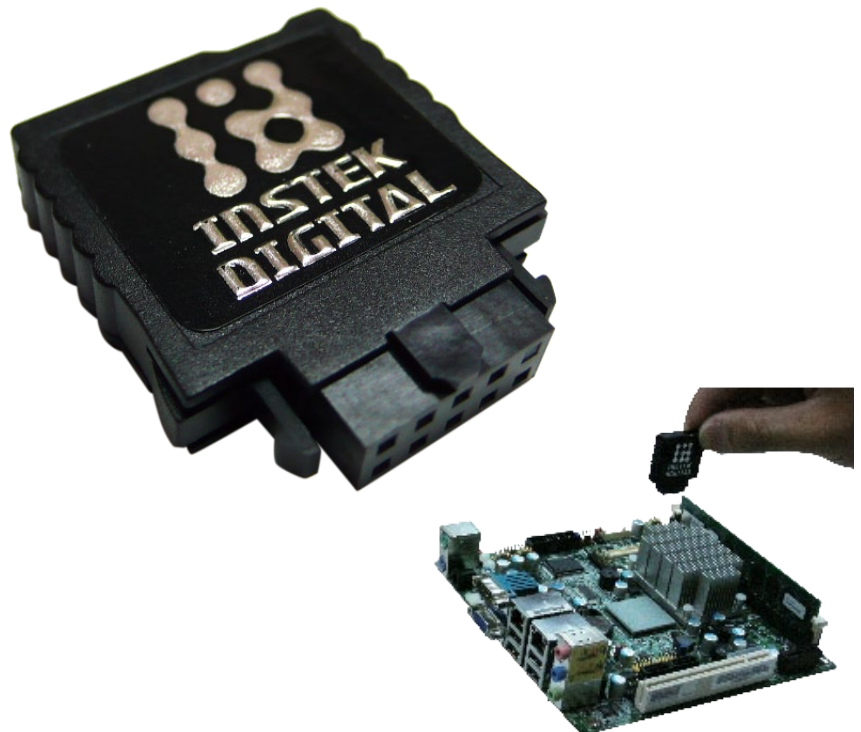
Support multiple IP video compressions such as H.264, MPEG-4, and MJPEG and image resolutions from CIF/ D1 to multiple megapixels

High Intelligence.

Apply proven real-time video analytic scenarios to live and recorded IP video

Instek Digital offers a USB disk on module (DOM) if you wish to use your own hardware to create a recorder. The USB DOM contains NVR software and an embedded Linux OS. Instek Digital's customized Linux offers excellent stability, easy maintenance and troubleshooting, reduced HDD stress, and protection against viruses. Instek Digital's NVR software can turn any PC into a reliable enterprise recorder. The same stable technology that has been in the recording hardware is now available in DOM form. Simply plug the USB DOM into an ordinary PC and you can create a recorder.

This solution is perfect if you have a system already in place, or if you want to purchase your own equipment, but still want to use Instek Digital's award-winning software. With Instek Digital's USB DOM it has never been easier to build a reliable recorder.



Instantly Build a Reliable Recorder Server by Simply Plugging in a USB



Figure 1.1 USB DOM Installation Steps (1) Open a PC that follows the NVR hardware requirements and access the motherboard. (2) Plug the USB DOM into the motherboard and close the PC. (3) Connect the PC to the surveillance system. Configure the NVR and you will be able to record and manage video on a reliable NVR using many standard PC parts.

System Requirements

Server Hardware

CPU:	Intel Pentium 4 3.0GHz or higher
Motherboard:	Intel Socket 478 series Intel LGA 775 series Intel LGA 1156 series
Storage:	SATA Controller: Intel series or Marvell 88SX series RAID Controller: RocketRAID 2220, RocketRAID 2320, LSI 3ware 9650SE
RAM:	VESA driver compatible
Display:	VESA compatible VGA cards (Intel GMA series, nVidia, ATI, Matrox)
Network:	100 Mb: Realtek 8139cp c+, 1Gb: Intel pro/1000, Intel pro/1000 PCI-express, Relatek giga, Broadcom Tigon3 based, Atheros L1E Gigabit, Marvell Gigabite

Client Hardware

CPU:	Intel Core 2 Duo 2.4GHz or above
Memory:	DDR2 533MHz 1GBx2 (dual channel mode)
Video Card:	Independent 3D VGA card with 2 VGA connectors, INVIDIA 9800GT or above
Operating System:	Windows XP Professional, Vista
Misc.:	DirectX 9.0c, Speakers, Microphone (optional)
Supported Resolutions:	1280x1024, 1024x768, 1920x1200, 1920x1080, 1680x1050, 1600x1200, 1440x900, 1400x1050, 1280x800, 1280x1024, 1024x768

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