



**THOMSON**

**Thomson Grass Valley Product List**

**Broadcast Products**

**Cameras/Camcorders**

- **Infinity™ Series ENG/EFP Systems**
  - **Infinity Digital Media Camcorder**
  - **Infinity Digital Media Recorder**
  - **REV PRO™ Digital Media Drive**
  - **REV PRO Removable Disk Media**
  
- **Standard-Definition Cameras**
  - **LDK 300 Camera**
  - **LDK 400 Camera**
  - **LDK 500 Camera**
  - **LDK 20S Camera**
  - **LDK 23HS mk II Camera**
  - **LDK 5000 Camera**
  - **LDK 1707 Camera**
  - **Microcam™ Compact Camera Head System**
  
- **High-Definition Cameras**
  - **LDK 4000 Single-Format Camera**
  - **LDK 6000 mk II Standard Camera**
  - **LDK 6000 mk II WorldCam Camera**
  - **LDK 6200 HD Super SloMo Camera**
  - **Venom FlashPak Solid-State Recorder**
  
- **Digital Cinematography Cameras**
  - **Viper FilmStream™ Camera**
  - **Venom FlashPak Solid-State Recorder**
  
- **Robotic Camera Systems**
  
-



## Camera Transmission/Repeater Systems

- Digital Triax Wireless Camera System
- Digital Triax Transmission System
- DigiLink Cost-Effective SD Digital Transmission System
- Triax HD Repeater System

- Camera Control Systems

- C2IP Ethernet-Based Camera Control System

- CCU 1685 Triax Camera Control Unit
- CCU 1686 Triax Camera Control Unit
- CCU DT500 Digital Triax Camera Control Unit
- Series 9000 Camera Control System
- MCP Master Control Panel
- LCP 100 Local Control Panel
- OCP 42 Operational Control Panel
- LDK 4635 Digital Camera Monitoring Unit
- Camera Data Switch

- Camera Accessories

- Adapters

- LDK 4482 SuperXPander
- LDK 5031 Heavy-Duty LDK Tripod Adapter (except LDK 1707)
- LDK 5311 Quick-Mount Adapter for LDK 100, LDK 200 Series

## Cameras and Camcorders

- LDK 5390 Wide-Angle Adapter For 1.5-Inch Viewfinder

- Smart-Touch™ Software
- Viewfinders
- Rain Covers
- Flight Cases

## Switchers/Effect

- Kalypso™ Video Production Center Family
- Kalypso Classic SD Video Production Center
- Kalypso HD Video Production Center
- Kalypso Duo Video Production Center
- XtenDD™ Digital Production Switcher Family



- XtenDD Standard-Definition Production Switcher
- XtenDD HD High-Definition Production Switcher
- KayakDD™ SD Digital Video Production Switcher Family
- KayakDD 1 M/E Digital Switcher
- KayakDD 2 M/E Digital Video Production Switcher
- Kayak HD SD/HD Digital Video Production Switcher Family
- Kayak HD 1 M/E High-Definition Switcher
- Kayak HD 2 M/E High-Definition Switcher
- Zodiak™ Digital Video Production Switcher
- Digital Video Effects Systems
- GVeous™ Digital Video Effects System
- Kurl™ Effects Option for Kalypso™ and Zodiak™ Systems

#### **Newsgathering/Production**

- Infinity™ Series ENG/EFP Systems
- Infinity Digital Media Camcorder
- Infinity Digital Media Recorder
- REV PRO™ Digital Media Drive
- REV PRO Removable Disk Media
- Infinity Digital Media Camcorder
- Infinity Digital Media Recorder
- REV PRO™ Digital Media Drive
- REV PRO Removable Disk Media
- Ingest & Browsing Systems
- NewsBrowse™ Web-Based Browser/Editor
- IngestStation™ Automated Tape Digitization System
- FeedClip™ Interactive Feed Capture System
- Nonlinear Editing Systems
- NewsEdit™ XT Nonlinear Editor Workstation
- NewsEdit LT Laptop-Based Nonlinear Editor
- NewsEdit SC Software-Based Nonlinear Editor
- NewsEdit SCE Editing and High-Resolution Review Station
- Servers, Shared-Storage, iVDR & Archive Systems
- Profile® 6G Servers



- PVS 3000 — SD & HD in the same frame in side-by-side operation
- PVS 3500 — SD & HD on the same timeline with up- and down-conversion capabilities
- Profile XP Media Platform Servers
- PVS 1100 SD Platform
- PVS 2000 HD Platform
- M-Series™ intelligent video digital recorder (iVDR)
- Grass Valley Network Attached Storage System (NAS)
- Grass Valley Open SAN Architecture
- Profile Network Archive
  
- Play-to-Air Systems
  
- NewsQ™ Pro Integrated News Playout System
- NewsQ Manual Playback System
  
- Ignite™ Integrated Production Solutions
- XSwitch KVM, A/V, and Control Routing System
- WebSTATION™ Live or On-Demand Web Viewing

#### **Servers/Media Storage**

- K2™ Media Server/Media Client Systems
- Profile® Server/Storage Systems
  
- Profile 6G Family
- PVS 3000 — SD & HD in the same frame in side-by-side operation
- PVS 3500 — SD & HD on the same timeline with up- and down-conversion capabilities
- PVS 3000 — SD & HD in the same frame in side-by-side operation
- PVS 3500 — SD & HD on the same timeline with up- and down-conversion capabilities
- Profile XP Media Platform Family
- PVS 1100 SD Platform
- PVS 2000 HD Platform
- PVS 1100 SD Platform
- PVS 2000 HD Platform
- Profile PDR Platform Family
- PDR 200 M-JPEG Platform
- PDR 300 MPEG Platform
- PDR 400 DVCPRO Platform
- PFP 500 RAID Storage Solution
- Grass Valley™ Open SAN System
- Profile Software Developers
- Profile Network Archive
  
- M-Series™ intelligent video digital recorder (iVDR)
- Turbo™ intelligent digital disk recorders (iDDRs)



- Grass Valley™ Software Developers
- Grass Valley DVCPRO & DVCPRO50 VTRs

## **Routers & Control**

- Large, Single Format Routers
  - Trinix™ Digital Video Routing Switcher
  - Apex™ Audio Routing Switcher
  - 7500 WB Wideband Digital Routing Switchers
  - 7500 NB Narrowband Digital Routing Switchers
- Mid-Sized, Mixed-Format Routers
  - Venus™ Routing Switcher (up to 256x256)
  - Concerto™ Series Routing Matrix (up to 128x128)
- Small Single- and Mixed-Format Routers
  - Compact Venus™ Routing Switchers (up to 32x32)
  - Triton™ Routing Switchers (up to 64x64)
  - Acappella™ Utility Router Line (16x4)
- Control Systems
  - Encore™ Facility Control System
  - Prelude™ Embedded Control System
  - Jupiter™ Control System
  - Jupiter AccuSwitch™ Controller
  - Series 7000 Control System

## **Master Control**

- Maestro™ SD/HD Branding and Master Control System
- M-2100 SD Digital Master Control System
- M-2100 HD Digital Master Control System
- Saturn™ Master Control Systems

## **Modular Products**

- Gecko™ Signal Processing System
  - NetCentral™ Software For SNMP-Based Remote Monitoring
  - 8900FSS 4:2:2 Frame Synchronizer/Delay Submodule
  - 8900NET Network Interface Module
  - 8901 Utility Analog Video Distribution Amplifier
  - 8902 Analog Video Equalizing Distribution Amplifier



- 8906 Analog Video Clamping Equalizing Distribution Amplifier w/ SNMP
  - 8910ADA-M Monaural Analog Audio Distribution Amplifier
  - 8910ADA-SR Stereo Analog Audio Distribution Amplifier With Remote Control
  - 8910ADA-ST Stereo Analog Audio Distribution Amplifier
  - 8911 AES/EBU Reclocking Distribution Amplifier
  - 8912RDA AES/EBU Digital Audio Reclocking Distribution Amplifier
  - 8912RDA-D Dual AES/EBU Digital Audio Reclocking Distribution Amplifier
  - 8914 Dual AES/EBU Digital Audio Delay Distribution Amplifier
  - 8916 AES/EBU Audio Auto-Tracking Digital Audio Delay Distribution Amplifier
  - 8920ADC Audio A-to-D Converter
  - 8920ADT Audio A-to-D Converter With Audio Tracking Delay
  - 8920DAC Audio D-to-A Converter
  - 8920MUX Video/Audio Multiplexer
  - 8920DMX Video/Audio Demultiplexer
  - 8921ADT Four-Channel Audio A-to-D Converter With Delay Tracking
  - 8921DAC Four-Channel Audio D-to-A Converter With Delay
  - 8931 Digital Video Fanout Distribution Amplifier
  - 8937 SDI/ASI Reclocking Equalizing Distribution Amplifier
  - 8937D Dual SDI/ASI Reclocking Equalizing Distribution Amplifier
  - 8941 Component Digital Video Monitoring Distribution Amplifier
  - 8950ADC Component A-to-D Converter
  - 8950DAC Component D-to-A Converter
  - 8960DEC NTSC/PAL-to-SDI Decoder
  - 8960ENC SDI-to-NTSC/PAL Encoder
  - 8964DEC Four-Channel NTSC/PAL-to-SDI Decoder
  - 8964ENC Four-Channel SDI-to-NTSC/PAL Encoder
  - 8964FS Four-Channel SDI Frame Synchronizer
  - 8964MON Four-Channel SDI to NTSC/PAL Monitoring Converter
  - 8981FS SDI Frame Synchronizer/Delay
  - 8981NR 270 Mb/s SDI Noise Reducer Module
  - 8990ARC SDI Aspect Ratio Converter
  - 8503 Precision Analog Distribution Amplifier
  - 8504 Analog Video Delay Distribution Amplifier
- Kameleon™ Media Processing System
    - NetCentral™ Software For SNMP-Based Remote Monitoring
    - KAM-SD SDI Front Processing Module
    - KAM-AV NTSC/PAL Front Processing Module
    - KAM-ADC-S 4-Channel Audio A-to-D Sub-module
    - KAM-DAC-S 4-Channel Audio D-to-A Sub-module
    - KAM-AA-R Analog Audio Rear Module
    - KAM-MIX-R Mixed Audio Rear Module
    - KAM-AES-R AES Rear Module



- KAM-DEC-2AES Decoding Frame Sync, AV/AES to SD/AES
- KAM-DEC-2AES-MUX Decoding Frame Sync/Mux, AV/AES to SD/EA
- KAM-DEC-4ADC Decoding Frame Sync, AV/AA to SD/AES
- KAM-DEC-4ADC-MUX Decoding Frame Sync/Mux, AV/AA to SD/AES
- KAM-ENC-2AES Encoding Frame Sync, SD/AES to AV/AES
- KAM-ENC-2AES-DMX Encoding Frame Sync/Demux, SD/EA to AV/AES
- KAM-ENC-4DAC Encoding Frame Sync, SD/AES to AV/AA
- KAM-ENC-4DAC-DMX Encoding Frame Sync/Demux, SD/EA to AV/AA
- KAM-SD-2AES Digital Frame Sync, SD/AES to SD/AES
- KAM-SD-2AES-MUX Digital Frame Sync/Mux, SD/EA to SD/AES
- KAM-SD-2AES-DMX Digital Frame Sync/Demux, SD/EA to SD/EA
- KAM-SD-2AES-EAP Digital Frame Sync, SD/EA to SD/EA
- KAM-SD-4ADC-MUX Digital Frame Sync/Mux, SD/AA to SD/EA
- KAM-SD-4DAC-DMX Digital Frame Sync/Demux, SD/AA to SD/EA
- KAM-HDD HD Processing Amplifier with Down-Converter
- KAM-HD-FS SD/HD Frame Synchronizer
- KAM-HDD-FS SD/HD Frame Synchronizer with Down-Converter
- KAM-XM-DNC HD Down-Converter
- KAM-XM-MPEG-AR SDI MPEG Artifact Remover
- KAM-XM-SDNR SDI Noise Reducer
- KAM-XM-SDNRG SD Noise and Film Grain Reducer
- KAM-XM-UCG General Purpose HD Up-Converter
- KAM-XM-UDC HD Up/Down-Conversion
- KAM-XM-UNC HD Up-Converter with Advanced Noise Reduction
- KAM-XM-UPC HDTV Up-Converter
- 2000GEN Genlock Reference Module
- 2000NET Network Interface Module
- 2010RDA AES/EBU Digital Audio Reclocking Distribution Amplifier
- 2010RDA-16 AES/EBU Digital Audio Reclocking Distribution Amplifier
- 2010RDA-110 AES/EBU Digital Audio Reclocking Distribution Amplifier
- 2011RDA-110 AES/EBU Digital Audio Reclocking Distribution Amplifier
- 2020ADC 4-Channel Audio A-to-D Converter
- 2020DAC 4-Channel Audio D-to-A Converter
- 2030RDA SD Reclocking Distribution Amplifier
- 2031RDA-MM SD Reclocking Distribution Amplifier with Multi-Mode Fiber I/F
- 2031RDA-SM SD Reclocking Distribution Amplifier with Single-Mode Fiber I/F
- 2040RDA-FR Fiber Ready Wideband Reclocking Distribution Amplifier
- 2040RDA-16FR Fiber Ready Wideband Reclocking Distribution Amplifier



- 2041RDA Wideband Rear Reclocking Distribution Amplifier
- 2041EDA Wideband Rear Equalizing Distribution Amplifier
- 2042EDA Dual Wideband Equalizing Distribution Amplifier
- 2090MDC HDTV Monitoring Down-Converter
  
- Newton Modular Control System
- 7510 Series Modules
- NetCentral™ SNMP-Based Remote Monitoring Software
- Format Conversion Guide
- Full-Line Modular Product Catalog (PDF)

#### **Production Control**

- Andromeda GPI and Tally Management System
- ProSet Production Setup Application
- Nennos™ Signal Management Software
- LCD Control Panel Series
- Under Monitor Display Series

#### **C2MD**

- NetCentral™ 4.1 SNMP-Based Facility Monitoring Software
- NetConfig™ Configuration and Software Update Application
- Remote Service and Support Programs

#### **Film Production Products**

##### **Acquisition**

- Viper FilmStream™ Camera
- Venom FlashPak Solid-State Recorder

##### **Scanners/Telecines**

- Spirit 2K DataCine® System
- Spirit 4K High-Performance Film Scanner and DataCine
- Spirit DataCine System
- Shadow Telecine™ System

##### **Virtual DataCines**

- Specter FS Virtual DataCine

##### **Software**

- Bones Linux-Based Post-Production Environment
- Shout Restoration Software
- Phantom® TransferEngine Software





## Tools

- LUTher Color Space Converter
- Scream Grain Reduction Software
- Graphical Control Panel

## Compression & Networking Products

### Encoders

- ViBE Encoders & Chassis
- ViBE Single-Pass Encoder
- ViBE Dual-Pass Encoder
- ViBE MPEG-4 AVC SD Encoder
- ViBE MPEG-4 AVC HD Encoder
- ViBE AS Entry-Level SD Encoder
- ViBE Analog Dual-Pass Encoder
- ViBE Extension Boards
- ViBE Advanced Pre-Processing Board
- ViBE Audio/Video Extension Board
- ViBE Audio Extension Board
  
- ViBE Extension Boards
- ViBE Advanced Pre-Processing Board
- ViBE Audio/Video Extension Board
- ViBE Audio Extension Board
  
- MBE3000 Dedicated Mobile TV Encoder
- DBE Encoder Line
- DBE 4110 DSNG Encoder
- DBE 4120 General Purpose Encoder
- DBE 4130 Broadcast MPEG-2 Encoder
- DBE 4140 Local Insertion Encoder
- DBE 4150 ADSL SuperEncoder
  
- HDE 8100 MPEG-2 HD Encoder

### Decoders

- ViBE Decoders & Chassis
- ViBE MPEG-2 Decoder
- ViBE Analog Audio/Video Decoder
  
- DBD 4433 Single Service Decoder
- DBD 4436 MPEG-2 Receiver/Decoder
- NXD 8000 Commercial Receiver
- HDD 8200 MPEG-2 HD Decoder

### CoDecs

- ViBE Encoders & Chassis



- ViBE Encoder Extension Boards
- ViBE Decoders & Chassis
- ViBE Front Ends
- ViBE ASI Front End
- ViBE IP Front End
- ViBE PDH Front End

### **MPEG Processing**

- NetProcessor MPEG Transport Stream Processor
- DBX 4300 Multiplexer
- DM 3200 Network CherryPicker
- DM 6400 Network CherryPicker
- MaeStream MPEG Stream Server

### **Network Adaptors**

- NetFeeder ATM & IP Network Adaptor
- IPS 1200 IP Streamer
- ViBE ASI Front End
- ViBE IP Front End
- ViBE PDH Front End
- XNA/ $\mu$ XNA 4600 ATM Adaptor
- XNA/ $\mu$ XNA 4610 IP Gateway

### **Management Systems**

- XMS 3500 eXtensible Management System™
- DBS 2908/11/12 Channel Controller

### **Modulators**

- Newtec NTC 2177 Variable Rate DVB Modulator/Converter

### **Applications**

- Cable Broadcasting
- Contribution
- Digital Satellite Newsgathering (DSNG)
- Direct-to-Home (DTH) Satellite Broadcasting
- Terrestrial Broadcasting
- xDSL