

AES-ANA-BFV2  
without Headerboard  
**€ 310**

AES-ANA-BFV2  
with Headerboard  
**€ 480**



# AES-ANA-BFV2

## Digital Video Surveillance Kit II

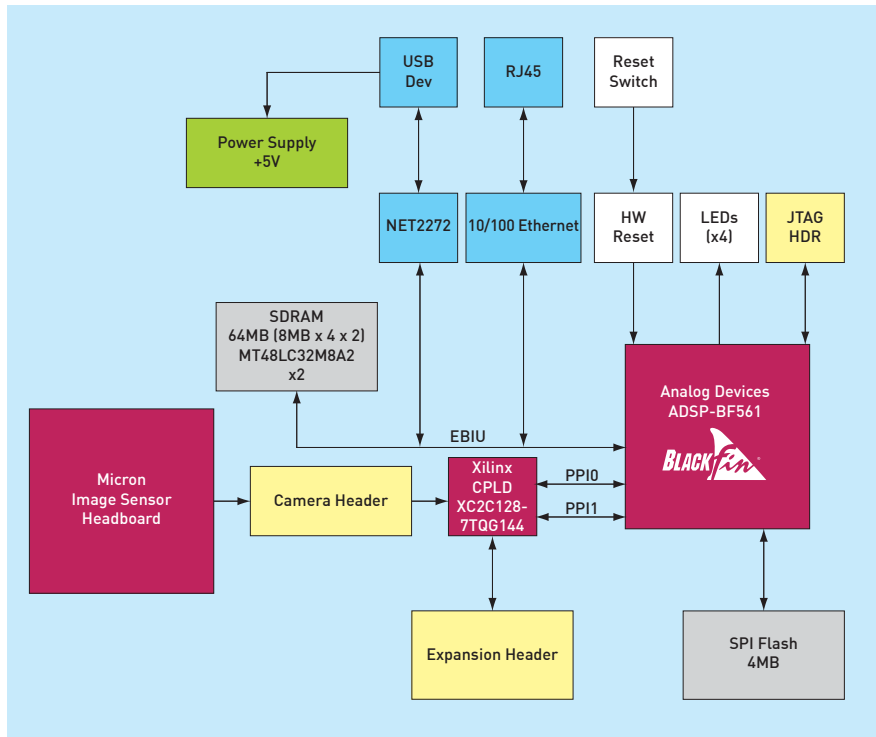


Christian Bangert, Silica Europe

The Digital Video Surveillance Kit by Avnet Electronics Marketing provides a simplified prototype development platform for intelligent video surveillance applications, combining the unique video handling capabilities of the Blackfin® processor from Analog Devices and state-of-the-art CMOS image sensors from Micron. The kit is provided complete with either a Wide-VGA or 2 Megapixel image sensor headboard, a 500MHz dual core Blackfin processor board with a USB interface and sensor development tools, including utilities for video capture and analysis.

### Key Features

- CMOS image sensors from Micron Technology, Inc.
  - Low-cost, high-performance imaging technology
  - Wide-VGA or 2 Megapixel resolution
  - Wide-VGA (752x480) features (included in AES-ANA-BFV2-WVGA-G):
    - Global shutter
    - 100dB high dynamic range operation
    - Progressive or interlaced readout
  - 2 Megapixel (1600x1200) features (included in AES-ANA-BFV2-2MP-G):
    - Electronic windowing with pan, tilt and zoom
    - Integrated MCU, image flow processor and JPEG encoder
    - Ultra low power
- Analog Devices Blackfin® ADSP-BF561-based processor board
  - Dual symmetric 500MHz high-performance Blackfin cores
  - Dual PPI ports support glueless ITU-R BT656 video or GP mode
  - 64MB PC133 SDRAM
  - Small 3.1" x 3.6" form factor design
- 10/100 Ethernet



- Power directly from USB or with wall supply
- Tripod mount for stable optical setup
- Easily adapted for use with other Micron® image sensors
- Works with Micron DevWare tools
- Supports VisualDSP++® JTAG debugger
- Royalty-free reference design

### Key Applications

- Digital video surveillance
- Networked smart camera applications
- Machine vision
- Automotive telematics
- Process automation and control

### Kit Content

- 500MHz Blackfin processor baseboard
- Image sensor headboard (optional)
- Micron DevWare tool suite
- Wall mount 5V DC power supply
- USB cable
- Tripod (optional)
- Bundled discount for VisualDSP++ and In-Circuit Emulator for customers that need software development tools
- Downloadable documentation and reference design

### Key Design Tips

The Digital Video Surveillance Kit is featured in the Silica Speedway Design Workshop: Video Surveillance Workshop (see page 52)

Service available or already delivered T&R from Manufacturer.  
Tapes are available, but not stocked at Avnet Logistics due to low demand.  
Device supported by or programming equipment, but the socket for this package must be provided by customer.

P/N	Package	Programming	Taping & Reeling	Marking
AES-ANA-BFV2-NC-G		Tool (without Header Board)		
AES-ANA-BFV2-WVGA-G		Tool		
AES-ANA-BFV2-2MP-G		Tool		

AMPLIFIERS  
CONNECTIVITY, COMMUNICATION & INTERFACE ICs  
DATA CONVERTER ICs  
DIGITAL SIGNAL PROCESSORS  
DISCRETES  
MEMORIES  
MICRO-CONTROLLERS & PROCESSORS  
OPERATING SYSTEMS  
OPTOELECTRONICS & DISPLAYS  
POWER MANAGEMENT ICs  
PROGRAMMABLE LOGIC DEVICES  
TOOLS & SERVICES