Welcome

Thank you for picking up the new 2019 Blackmagic Product Guide! This guide features some of our newest post production, broadcast and feature film tools including the latest 8K, HDR and high frame rate products. This year we introduced the new URSA Mini Pro 4.6K G2, Blackmagic Pocket Cinema Cameras, Blackmagic RAW, DaVinci Resolve 16, DaVinci Resolve Editor Keyboard, UltraStudio 4K Mini, our massive new ATEM Constellation 8K live production switcher, HyperDeck Extreme 8K HDR, Blackmagic eGPU Pro and so much more!

We hope you have the time to chat with us at the show and to see our latest Ultra HD, 4K, and 8K products!

Grant Petty

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Learn more at www.blackmagicdesign.com
Digital Film Cameras

Blackmagic Pocket Cinema Camera 6K

Next generation digital film camera with Super 35 sensor, dual native ISO up to 25,600 and direct recording to USB-C disks.

- Digital film camera with a full Super 35 size 6K HDR image sensor.
- Up to 25,600 ISO and wide dynamic range for true digital film.
- Use for independent films, documentaries, blogs and more.
- Records to SD, UHS-II, CFast 2.0 or external USB-C drives.
- 13 stops dynamic range, EF mount, Blackmagic RAW and touchscreen.

Learn more at www.blackmagicdesign.com
Digital Film Cameras

Blackmagic Pocket Cinema Camera 4K
Next generation 4K Pocket Cinema Camera with full 4/3 HDR sensor, dual native ISO up to 25,600 and direct recording to USB-C disks.

- Next generation handheld 4K digital film camera.
- Dual native ISO up to 25,600 for great low light performance.
- Great for independent filmmakers, events and more.
- Records to SD, UHS-II, CFast 2.0 or external USB-C drives.
- 4K, 13 stops dynamic range, MFT mount and 5” touchscreen.

Blackmagic Pocket Cinema Camera 6K
Next generation digital film camera with Super 35 sensor, dual native ISO up to 25,600 and direct recording to USB-C disks.

- Digital film camera with a full Super 35 size 6K HDR image sensor.
- Up to 25,600 ISO and wide dynamic range for true digital film.
- Use for independent films, documentaries, blogs and more.
- Records to SD, UHS-II, CFast 2.0 or external USB-C drives.
- 13 stops dynamic range, EF mount, Blackmagic RAW and touchscreen.

Blackmagic Micro Cinema Camera
Miniaturized digital film camera with expansion port including PWM and S.Bus for remote use, built in SD card recorder for formats up to 1080p60.

- Miniaturized Super 16mm digital film camera.
- Remote control via expansion port with PWM and S.Bus.
- Perfect as a hidden camera or crash cam.
- Cinematic RAW images with 13 stops of dynamic range.
- HD sensor, MFT mount, records RAW and ProRes to SD cards.

Blackmagic URSA Mini Pro 4.6K G2
Next generation 4.6K URSA digital film camera with Blackmagic RAW, high speed frame rates up to 300 fps and direct recording to external USB-C disks!

- Digital film camera available with EF, PL, F or B4 mount.
- New 4.6K Super 35mm HDR sensor designed for high frame rates.
- Perfect for film, television, commercial and independent production.
- Blackmagic RAW recording to SD/UHS-II, CFast, or external USB-C disks.
- External controls, 4” fold out touch screen, USB-C expansion port, pro audio.

Blackmagic URSA Gold Battery Plate €95

Find your local reseller at www.blackmagicdesign.com/resellers
**Digital Film Cameras**

Blackmagic URSA Mini 4K EF

Compact and lightweight digital film camera with 4K Super 35 sensor, 12 stops of dynamic range, 12G-SDI, EF lens mount and more.

- Digital film camera with EF mount for high quality photographic lens.
- High dynamic range 4K Super 35mm digital film sensor.
- Perfect for film, television, commercial and independent production.
- RAW or ProRes recording to SD/UHS-II or CFast cards.
- 3" foldout touch screen for control, 12G-SDI, professional audio.

Blackmagic URSA Mini Pro 4.6K G2

Next generation 4.6K URSA digital film camera with Blackmagic RAW, high speed frame rates up to 300 fps and direct recording to external USB-C disks.

- Digital film camera available with EF, PL, F or B4 mount.
- New 4.6K Super 35mm HDR sensor designed for high frame rates.
- Perfect for film, television, commercial and independent production.
- Blackmagic RAW recording to SD/UHS-II, CFast, or external USB-C disks.
- External controls, 4" foldout touch screen, USB-C expansion port, pro audio.

**Digital Film Cameras Accessories**

Blackmagic URSA Mini Pro Shim Kit

Set of 9 shims and baffle tool for precise setting of the flange focal distance for URSA Mini Pro’s EF, PL or B4 mount.

Blackmagic URSA Mini Pro EF Mount

The Blackmagic URSA Mini Pro EF Mount kit is available as a spare EF lens mount in addition to the original EF that comes with your URSA Mini Pro.

Blackmagic URSA Mini Pro PL Mount

Optional PL lens mount which features contact pins for compatibility with Cooke /i Technology protocol allowing lens information to be saved as metadata for use in software such as DaVinci Resolve.

Blackmagic URSA Mini Pro F Mount

Use your favorite Nikon stills lenses with URSA Mini Pro F Mount. Retain smooth, high precision mechanical iris control paired with classic Nikon AF-S G and AF-D series lenses.

Blackmagic URSA Viewfinder

High resolution viewfinder for URSA Mini cameras includes full 1080HD OLED display and precision glass optics for perfect focus.

Blackmagic URSA Mini Shoulder Kit

Perfect for run and gun shooting! Kit includes shoulder pad with built in rosettes, rail mounts, integrated tripod quick lock release and top handle.

Learn more at www.blackmagicdesign.com
DaVinci Resolve, Fusion and Blackmagic eGPU

DaVinci Resolve Advanced Panel

Designed in collaboration with professional colorists, you get three ergonomically connected control surfaces and a pull out keyboard for complete command of every color grading session! Each correction control has a separate soft key, knob, high resolution weighted trackball or ring so you can experiment quicker to create a wider range of looks!

- High end control panel with trackballs, soft knobs, buttons, jog/shuttle and more.
- Quick, one touch access to virtually every color parameter and control.
- Designed for professional colorists working on film, television and commercials.
- Adjust multiple parameters simultaneously with complete responsiveness.
- Perfect for high end work with a client over your shoulder on a tight deadline.

Learn more at www.blackmagicdesign.com

Mac • Windows • Linux
DaVinci Resolve, Fusion and Blackmagic eGPU

DaVinci Resolve 16
Revolutionary new tools for editing, color correction, audio post, VFX and new cut page, all in a single application!
- Professional editing, color, audio, and visual effects software.
- New cut page designed for incredible editing speed, ideal for fast turn-work.
- Dual timeline to edit and trim without zooming and scrolling.
- Perfect for students, corporate video, AV, indie filmmakers and more.
- Legendary DaVinci image processing and color tools, audio and VFX tools.

DaVinci Resolve Studio 16
Hollywood tools for professional editing, color correction, audio post, visual effects and multi-user collaboration!
- High-end software for editing, color correction, audio post and VFX.
- New cut page designed for editors working on high-end, fast turn work.
- Multi-user collaboration allows simultaneous work in the same project.
- Professional features with dozens of filters, effects, 3D, HDR and more.
- RK editing, neural engine with face recognition and GPU scopes.

DaVinci Resolve Micro Panel
Portable, low profile panel featuring three professional trackballs, knobs and buttons for quick access to the most essential color grading controls.
- Portable control panel for on-set or mobile color correction.
- Includes 3 high resolution trackballs, high quality knobs and buttons.
- Use with laptops, on-set and in broadcast trucks.
- Get easy access to essential color correction features.
- Create looks quickly by adjusting multiple parameters at once.

DaVinci Resolve Mini Panel
High quality control panel with three track balls, two display screens plus control buttons and knobs for switching tools, adding color correctors and more.
- Compact, high quality panel for creating unique color looks.
- High resolution tri-lobals, professional weighted knobs and buttons.
- Ideal for editors and colorists switching between editing and grading.
- Adjust multiple parameters at once to easily create complex looks.
- Dual LCD screens, navigation buttons, primary controls and more.

Fusion Studio 16
Fusion Studio 16 adds METAL and CUDA GPU acceleration, 3D engine and playback optimization and more.
- Feature film quality 2D and 3D visual effects compositing.
- High-end broadcast quality and cinematic motion graphics.
- Import, light, texture, shade and render full 3D models and scenes.
- Includes paint, particles, rotoscope, keying and more.
- Create custom pipeline workflows with Python and LUA scripting.

Fusion Studio 16 Editor Keyboard
New premium keyboard with dedicated edit keys and search dial allows dramatically faster editing.
- Enables faster editing than possible on NLE software.
- All-metal design for increased strength.
- Integrated search dial control.
- Source tape allows faster clip searching.
- Buttons to instantly re-sort bins, large trim in and out buttons.

Blackmagic eGPU
Powerful Thunderbolt 3 external GPU delivers desktop performance on a laptop for gaming, VR and pro apps.
- External graphics processor for accelerating professional software.
- Designed in collaboration with Apple for Thunderbolt 3 computers.
- Ideal for video editors working on MacBook Pro, gamers and more.
- Radeon Pro 580 GPU, dual Thunderbolt 3, 4 USB connections and HDMI.
- 85W downstream power via Thunderbolt to power laptop and peripherals.

Blackmagic eGPU Pro
Get workstation class acceleration with Blackmagic eGPU Pro featuring Thunderbolt 3 and Radeon Vega 56 graphics.
- High performance external graphics processor.
- Designed in collaboration with Apple for Thunderbolt 3 computers.
- Ideal for video editors, colorists, and visual effects artists.
- Radeon Vega 56 GPU, dual Thunderbolt 3, four USB connections, and HDMI.
- 85W downstream power via Thunderbolt to power laptop and peripherals.

DaVinci Resolve, Fusion and Blackmagic eGPU

Available at Apple

Available at Apple

Available at Apple
Cintel Film Scanner

Cintel Scanner
Real time 35mm and 16mm film scanner with Thunderbolt 3, PCIe and advanced film scanning technology for converting archives to Ultra HD or scanning new film for post production!

- Real time 4K film scanner for Mac and Windows computers.
- High intensity diffuse light source dramatically reduces dust and scratches.
- Perfect for generating HDR Ultra HD content from original film source.
- Innovative elegant architectural design provides smooth, vibration free scans.
- Includes DaVinci Resolve Studio software for controlling scanner.

Cintel Accessories

Cintel Cleaning Roller Kit
Replacement set of 4 sticky rollers for particle, dust removal and film cleaning during scanning!

Blackmagic PCI Express Cable Kit
High speed PCIe plug-in card and PCIe cable for connecting computers to a Cintel Scanner when not using a Thunderbolt 3 computer.

Cintel Scanner 16mm Gate HDR
This optional kit includes a 16mm skid plate, 2 inner spacers, 2 outer spacers and 2 x 3” film cores!

Cintel Scanner 35mm Gate HDR
Although one 35mm HDR gate is included with the Cintel scanner, you can purchase a spare if required.

Cintel Audio and KeyKode Reader
Add high quality real time optical and magnetic audio reading plus KeyKode from your Cintel Scanner.

- Optional accessory for capturing professional audio and KeyKode when scanning film.
- Features magnetic audio head with deep red LED illumination with advanced optics.
- Precisely adjust azimuth, zenith and yaw to get the best audio capture.
- Simple to install by end users by bolting onto the front of the scanner.

Innovative elegant architectural design provides smooth, vibration free scans.

Includes DaVinci Resolve Studio!
Blackmagic URSA Mini Pro 4.6K G2

- Next generation URSA Mini Pro with Super 35 4.6K HDR sensor, 15 stops of dynamic range and high frame rate shooting up to 300 fps.
- Digital film camera available with EF, PL, or B4 mount.
- New.4.6K Super 35mm HDR sensor designed for high frame rates.
- Perfect for film, television, commercial, and independent production.
- Blackmagic RAW recording to SD/UHS-II, CFast, or external USB-C disks.
- External controls, 4” foldout touch screen, USB-C expansion port, pro audio.

Blackmagic URSA Viewfinder

- High resolution electronic viewfinder.
- Optical quality 1920x1080 display.
- Ideal for handheld over the shoulder shooting.
- High precision glass optics and color display.
- Tally indicator, on screen menus, standard SDI and power.

DaVinci Resolve Studio 16

- Hollywood tools for professional editing, color correction, audio post, visual effects and multi-user collaboration.
- High end software for editing, color correction, audio post and VFX.
- New cut page designed for editors working on high end, fast turn work.
- Multi-user collaboration allows simultaneous work in the same project.
- Professional features with dozens of filters, effects, 3D, HDR and more.
- 8K editing, neural engine with face recognition and GPU scopes.

DaVinci Resolve Mini Panel

- High quality control panel with three track balls, two display screens plus control buttons and knobs for switching tools, adding color correctors and more.
- Compact, high quality panel for creating unique color looks.
- High resolution trackballs, professional weighted knobs and buttons.
- Ideal for editors and colorists switching between editing and grading.
- Adjust multiple parameters at once to easily create complex looks.
- Dual LCD screens, navigation buttons, primary controls and more.

Start with Your Digital Film Camera

12G-SDI

Find your local reseller at www.blackmagicdesign.com/resellers
Broadcast and Live Production Cameras

Blackmagic URSA Broadcast

Advanced HD and Ultra HD broadcast camera with extended video dynamic range, ND filters, B4 mount, external controls and more!

- Professional broadcast camera for HD and Ultra HD.
- Works with B4 lenses and batteries you already own.
- Perfect for field ENG work or as a studio camera.
- Record onto standard SD, UHS-II or CFast 2.0 cards.
- 2/3" 4K sensor, B4 mount, ND filters, broadcast controls.

Find your local reseller at www.blackmagicdesign.com/resellers
**Blackmagic Micro Studio Camera 4K**

- The world’s smallest HD and Ultra HD live studio camera that can be remote controlled via SDI!
- 12G-SDI broadcast camera for live production with 10” viewfinder, MFT lens mount and support for up to 2160p60.
- Ultra HD studio camera with massive built-in 10” viewfinder.
- 12G-SDI for working up to 2160p60.
- Great all in one Ultra HD camera for live production.
- Unique integrated viewfinder, talkback and tally.
- 4K sensor, MFT mount, 12G-SDI, XLR, tally, talkback.

**Blackmagic URSA Broadcast**

- Advanced HD and Ultra HD broadcast camera with extended video dynamic range, ND filters, B4 mount, external controls and more!
- Professional broadcast camera for HD and Ultra HD.
- Works with B4 lenses and batteries you already own.
- Perfect for field ENG work or as a studio camera.
- Record onto standard SD, UHS-II or CFast 2.0 cards.

**Blackmagic URSA Viewfinder**

- High resolution viewfinder for URSA Mini cameras includes full 1920x1080 OLED display and precision glass optics for perfect focus.
- High resolution electronic viewfinder.
- Optical quality 1920x1080 display.
- Ideal for handheld over the shoulder shooting.
- High precision glass optics and color display.
- Tally indicator, on screen menus, standard SDI and power.

**ATEM Camera Control Panel**

- Control up to 4 cameras at the same time with controls for iris, shutter speed, color, master gain, pedestal, and much more!
- 4 professional camera control units in one.
- Control up to 4 cameras at the same time!
- Control and color correct cameras during live production.
- Familiar broadcast design with independent screens for each camera.
- Control iris, shutter speed, white balance, master gain, pedestal.

**Blackmagic Camera Fiber Converter**

- Connect and power cameras up to 2 km away with video, talkback, control and power, all over a single SMPTE fiber cable!
- Connects camera to switchers up to 2 km away via SMPTE fiber.
- Adds Studio Camera controls to your broadcast camera.
- Use on live productions to place cameras long distances away.
- Supports main Ultra HD camera feed plus 3 HD return feeds.
- 12G-SDI, talkback, return feeds, PTZ, tracker, OC and more.

**Blackmagic Studio Fiber Converter**

- Connect to remote cameras up to 2 km away with video, talkback, control and power all over a single cable!
- Extend and power cameras up to 2 km away via SMPTE fiber.
- Converts SMPTE fiber back into standard connections.
- Use on live programs where cameras are far from switcher.
- Uses standard IP link for low latency multi channel video.
- 5” screen, standard SMPTE optical fiber, fail safe power.
Broadcast and Live Production Cameras Accessories

Cable - Din 1.0/2.3 to BNC Female
High quality 200mm 6G-SDI cable to connect mini BNC Din 1.0/2.3 connections on the Blackmagic Micro Studio Camera to full size BNC connections!

Cable - Din 1.0/2.3 to BNC Male
High quality 400mm 6G-SDI cable to connect mini BNC Din 1.0/2.3 connections on the Blackmagic Micro Studio Camera to full size BNC connections!

Cable - Din 1.0/2.3 to Din 1.0/2.3
High quality 200mm 6G-SDI cable to connect the mini BNC Din 1.0/2.3 connections on the Blackmagic Micro Studio Camera to Din 1.0/2.3 connections!

Mini XLR Adapter Cables
Adapter cable for connecting to professional audio equipment which use full size XLR connectors!

Power Supply
Universal 100V-240V power supply with international socket adapters for supplying AC power to Video Assist while simultaneously recharging the dual LP-E6 batteries!

LP-E6 Battery
2000 mAH LP-E6 compatible lithium-ion rechargeable battery compatible with Blackmagic Video Assist and Blackmagic Micro Camera!

Expansion Cable
Add 12V power, reference input, LANC, composite video output, PWM and S.Bus digital servo connections to the Micro Cinema Camera with this expansion cable!

B4 Control Adapter Cable
Adapter cable for connecting B4 broadcast lenses to Blackmagic Micro Studio Camera 4K. Supports digital lens control and powers lens from external power supply!

Micro Studio Camera 4K Expansion Cable
Add 12V power, reference input, LANC, B4 lens control, PTZ control and S Bus digital servo connections to Micro Studio Camera 4K with this expansion cable!

URSA PL Shim Set
Set of 8 shims for changing the flange focal distance for PL lenses with URSA PL and URSA Mini PL!

3G-SDI SFP Optical Module
Optical fiber modules that work in SD and HD for adding optical fiber to your Blackmagic Studio Camera!

Blackmagic URSA Mini Pro Shim Kit
Set of 8 shims and a baffle tool for making precise changes to the flange focal distance for URSA Mini Pro’s EF, PL or B4 mount!

Find your local reseller at www.blackmagicdesign.com/resellers

Blackmagic URSA Mini SSD Recorder
Now you can record Cinema DNG or ProRes files onto standard 2.5” SSD Media with your URSA Mini or URSA Mini Pro camera!

Blackmagic URSA Mini Mic Mount
Add a shock and vibration isolated professional microphone mount to your URSA Mini or URSA Mini Pro camera!

Blackmagic Studio Fiber Rack Kit
Rack mount up to 2 Blackmagic Studio Fiber Converters side by side with this lightweight kit that’s perfect for road cases or equipment racks!

6G-SDI SFP Optical Module
Optical fiber modules that work in SD, HD and up to Ultra HD for adding optical fiber to your Blackmagic Studio Camera!

Blackmagic URSA Gold Battery Plate
Gold mount compatible battery plate with Malex connector for attaching third party batteries to URSA Camera!

Blackmagic URSA VLock Battery Plate
VLock compatible battery plate for attaching third party batteries to URSA camera!

Blackmagic URSA 3G-SDI Shield for Arduino
Now you can control Blackmagic Design cameras by inserting control commands into the SDI feed from an Arduino!

Blackmagic URSA Mini Shoulder Kit
Be ready to shoot anywhere! Kit includes shoulder pad with built in rosettes, rail mounts, integrated tripod quick lock release and top handle.

Blackmagic URSA 3G-SDI Rack Kit
Add 12V power, reference input, LANC, composite video output, PWM and S.Bus servo connections to URSA Camera with this expansion cable!

Blackmagic URSA Mini VLock Battery Plate
VLock compatible battery plate for attaching third party batteries to URSA Camera!

Blackmagic URSA Gold Battery Plate
Gold mount compatible battery plate with Malex connector for attaching third party batteries to URSA Camera!

Blackmagic URSA Mini Shoulder Kit
Be ready to shoot anywhere! Kit includes shoulder pad with built in rosettes, rail mounts, integrated tripod quick lock release and top handle.

Blackmagic URSA Mini SSD Recorder
Now you can record Cinema DNG or ProRes files on standard 2.5” SSD Media with your URSA Mini or URSA Mini Pro Camera!

Blackmagic URSA Mini Mic Mount
Add a shock and vibration isolated professional microphone mount to your URSA Mini or URSA Mini Pro Camera!
Build a Complete Studio Camera Chain!

1. Start with Your Live Production Camera
   - Blackmagic URSA Broadcast
   - Professional broadcast camera for HD and Ultra HD.
   - Works with B4 lenses and batteries you already own.
   - Perfect for field ENG work or as a studio camera.
   - Record onto standard SD, UHS-II or CFast 2.0 cards.
   - 2/3" 4K sensor, B4 mount, ND filters, broadcast controls.

2. Add a Studio Viewfinder
   - Blackmagic URSA Studio Viewfinder
   - Professional 7" studio viewfinder.
   - Large handles and articulated mount.
   - Tally light, control knobs, function buttons.
   - Perfect for studio or events.
   - Includes V-Lock plate.

3. Plus a Fiber Converter
   - Blackmagic Camera Fiber Converter
   - Connects camera to switchers up to 2km away via SMPTE fiber.
   - Adds studio camera controls to your broadcast camera.
   - Use on live productions to place cameras long distances away.
   - Supports main Ultra HD camera feed plus 3 HD return feeds.
   - 12G-SDI, talkback, return feeds, PTZ, tracker, DC and more.

4. And a Control Panel
   - Blackmagic Studio Fiber Converter
   - Extend and power cameras up to 2 km away via SMPTE fiber.
   - Connects to remote cameras up to 2 km away with multiple channels of video, talkback, control and power, all over a single SMPTE fiber cable.
   - Converts SMPTE fiber back into standard connections.
   - Use on live programs where cameras are far from switcher.
   - Uses standard IP link for low latency multi channel video.
   - 5" screen, standard SMPTE optical fiber, fail safe power.

Learn more at www.blackmagicdesign.com
Get Started with Ultra HD Live Production!

ATEM Television Studio Pro 4K
New model includes 8 standards converted 12G-SDI inputs, new Fairlight audio mixer, ATEM Advanced Chroma key and motion media clips!
- 8 input 12G-SDI all in one live production switcher and control panel.
- Full re-sync and standards converter on every input for mixing formats.
- Designed for broadcast, professional, AV and YouTube live streaming.
- Works in all popular HD and Ultra HD formats up to 2160p60.
- New Fairlight audio mixer, keyers, Ultra HD multi view out, DVE and more.

Blackmagic Studio Camera 4K
12G-SDI broadcast camera for live production with 10” viewfinder, MFT lens mount and support for up to 2160p60.
- Ultra HD studio camera with massive built-in 10” viewfinder.
- 12G-SDI for working up to 2160p60.
- Great all in one Ultra HD camera for live production.
- Unique integrated viewfinder, talkback and tally.
- 4K sensor, MFT mount, 12G-SDI, XLR, tally, talkback.

HyperDeck Studio Mini
Miniaturized broadcast deck with dual UHS-II SD card recorders for non-stop recording in all formats up to 2160p30!
- Miniaturized 6G-SDI deck for all formats up to 2160p30.
- Dual SD/UHS-II card slots for non-stop recording.
- Built in LCD, VTR style controls and HD/SD monitor out.
- ProRes 4:4:4 fill and key playback in HD.

Blackmagic Web Presenter
Make any SDI and HDMI video source look like a 720p USB webcam for high quality streaming to YouTube, Facebook, Skype and more!
- Use 12G-SDI and 4K HDMI sources for live streaming.
- Works with SD, HD and Ultra HD sources up to 2160p60.
- Built in Teranex processing converts video into 720p HD.
- Connects via USB and looks like a webcam to your computer.
- XLR mic input for lapel or desktop microphones.

1 Start with a Switcher
2 Add a Studio Camera
3 Add Recording and Playback
4 Add Live Streaming

Find your local reseller at www.blackmagicdesign.com/resellers
Live Production Switchers

ATEM Constellation 8K

Powerful 8K live production switcher that’s also a massive 4K switcher with 40 12G-SDI inputs, ATEM Advanced Chroma Keyers, DVE, talkback, multi view, Fairlight audio and more!

- 40 multi rate 12G-SDI inputs with up and cross converters on all inputs.
- 24 completely independently assignable 12G-SDI outputs.
- Designed for massive live multi camera programs and events.
- Connect 40 sources up to 2160p59.94 or 10 sources at 8K 4320p59.94.
- 8K transitions, DVE, graphics, talkback, Fairlight audio and more.

Learn more at www.blackmagicdesign.com
ATEM Television Studio HD
The world’s first all in one live production switcher with integrated hardware control panel, SDI and HDMI inputs, DVE, keys, talkback, multi view and more!
• Advanced production switcher with 4 SDI and 4 HDMI inputs.
• Compact 2/3 1RU rack mount design with full front panel controls.
• Designed for broadcast, professional, AV and YouTube live steaming.
• Works in all popular 1080 HD and 720p HD formats up to 1080p59.94.
• Multi view, talkback, audio mixer and 2D DVE and media playback.

ATEM Television Studio Pro HD
The world’s first all in one live production switcher with integrated hardware control panel, SDI and HDMI inputs, DVE, keys, talkback, multi view and more!
• Live production switcher with control panel and 4 SDI, 4 HDMI inputs.
• Combined switcher and control panel for all formats up to 1080p59.94.
• Designed for broadcast, professional, AV and YouTube live steaming.
• Works in all popular 1080HD and 720p HD formats up to 1080p59.94.
• Multi view, talkback, audio mixer and 2D DVE and media playback.

ATEM Talkback Converter 4K
Supports SDI talkback for up to 8 cameras. Includes 12G-SDI for all formats up to 2160p60, optional optical fiber, and aviation headset connections.
• Collaborate with crew on live productions.
• Connect cameras using embedded audio via channels 15 and 16.
• Talkback converter manages program and camera feeds.
• Optical fiber socket for adding an optical fiber STP module.
• Includes push to talk buttons, aviation headset socket, built in speaker.

ATEM 1 M/E Advanced Panel
Advanced hardware control panel with built in LCD and smooth professional buttons and knobs in a compact portable design that gives you precise control over your ATEM switcher!
• Next generation hardware control panel for ATEM switchers.
• New intuitive design with built in 5” display lets you work faster than ever.
• Perfect for fast paced live production with up to 25 sources.
• Latest broadcast technology that fits in portable racks.
• Illuminated buttons, professional joystick, dynamic display screen.

ATEM Television Studio Pro 4K
The world’s first 12G-SDI all in one live production switcher with 8 standards converted 12G-SDI inputs, Fairlight audio, ATEM Advanced Chroma Keyer and motion media clips!
• 8 input 12G-SDI all in one live production switcher and control panel.
• Full re-sync and standards converter on every input for mixing formats.
• Designed for broadcast, professional, AV and YouTube live steaming.
• Works in all popular HD and Ultra HD formats up to 2160p59.94.
• New Fairlight audio mixer, keys, Ultra HD multi view out, DVE and more.

ATEM Constellation 8K
Powerful 8K live production switcher that’s also a massive 4K switcher with 40 12G-SDI inputs, ATEM Advanced Chroma Keyers, DVE, talkback, multi view, Fairlight audio and more!
• 40 multi rate 12G-SDI inputs with up and cross converters on all inputs.
• 24 completely independently assignable 12G-SDI outputs.
• Designed for massive live multi camera programs and events.
• Connect 40 sources up to 2304p29.97 or 10 sources at 8K 4320p59.94.
• 8K transitions, DVE, graphics, talkback, Fairlight audio and more.

ATEM 2 M/E Broadcast Panel
Hardware control panel for multi layer live production with controls for up to 45 inputs, professional joystick and faders.
• Hardware control panel works with all ATEM switchers.
• Perfectly positioned broadcast controls for working on complex events.
• Ideal for large multi camera sport, theatrical and other live programs.
• 24 x LCD bitmap buttons put every control at your fingertips.
• Professional joystick and 2 T-bar faders, controls up to 40 inputs.

ATEM 1 M/E Production Studio 4K
Advanced 1 M/E live production switcher with DVE, stingers and 6G-SDI so you can work in SD, HD and Ultra HD.
• 10 input 6G-SDI live production switcher.
• Full resynchronization on all inputs for glitch free switching.
• Create professional Ultra HD programs from live multi camera events.
• Works in all popular SD, HD and Ultra HD formats up to 2160p29.97.
• Keyers, 1 multi view output, audio mixer, DVE and more.

ATEM 1 M/E Broadcast Panel
Advanced hardware control panel with built in LCD and smooth professional buttons and knobs in a compact portable design that gives you precise control over your ATEM switcher!
• Next generation hardware control panel for ATEM switchers.
• New intuitive design with built in 5” display lets you work faster than ever.
• Perfect for fast paced live production with up to 25 sources.
• Latest broadcast technology that fits in portable racks.
• Illuminated buttons, professional joystick, dynamic display screen.
Streaming and Encoding

Blackmagic Web Presenter

Make any SDI and HDMI video source look like a 720p USB webcam for high quality streaming to YouTube, Facebook, Skype and more!

- Use 12G-SDI and 4K HDMI sources for live web streaming.
- Works with SD, HD and UltraHD sources up to 2160p60.
- Built-in Teranex processing converts video into 720p HD.
- Connects via USB and looks like a webcam to your computer.
- XLR mic input for lapel or desktop microphones.

Learn more at www.blackmagicdesign.com
Touch screen LCD with on screen transport controls.
Add controller with traditional controls and clutch based jog knob.
Perfect for broadcasters and post facilities, plus can control older decks.
Record to CFast, SSD with MultiDock 10G, or external USB-C flash disks.
Quad link 12G-SDI, HDMI and SDI monitoring out, pro audio, RS-422.

HyperDeck Extreme 8K HDR
The world’s first 8K broadcast deck with advanced H.265 recording, touch screen interface, traditional deck style control option and more!

Find your local reseller at www.blackmagicdesign.com/resellers
**Disk Recorders, Duplication and Storage**

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**HyperDeck Studio**

Professional SSD recorder with 3G-SDI, HDMI and dual recorders for recording all SD and HD formats up to 1080p60.
- Digital broadcast deck with HDMI and 3G-SDI.
- Familiar VTR style controls for fast and easy use.
- Works with all SD and HD up to 1080p30.
- Dual SSD media slots allow hot swapping of full disks.
- 10-bit broadcast quality ProRes 422 HQ or DNxHD video.

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**HyperDeck Studio Pro**

Advanced SSD recorder with both 6G-SDI and analog connections for recording all formats up to 2160p30.
- Digital broadcast deck with analog and digital connections.
- 6G-SDI, HDMI, analog component, composite, 5-Video and more.
- Familiar VTR style controls for fast and easy use.
- Works with all SD, HD and Ultra HD up to 2160p30.
- 10-bit broadcast quality ProRes 422 HQ or DNxHD video.

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**HyperDeck Extreme 8K HDR**

The world’s first 8K broadcast deck with advanced H.265 recording, touch screen interface, traditional deck style control option and more!
- Touch screen LCD with on screen transport controls.
- Add controller with traditional controls and clutched based jog knob.
- Perfect for broadcasters and post facilities, plus can control older decks.
- Record to CFast, SSD with MultiDock 10G, or external USB-C flash disks.
- Quad link 12G-SDI, HDMI and SDI monitoring out, pro audio, RS-422.

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**Blackmagic Duplicator 4K**

Simultaneously duplicate content on 25 SD cards at once or create long form non-stop recordings that last for weeks at a time!
- Encodes and records Ultra HD using H.264 and H.265 formats.
- Lets you record and deliver programming instantly.
- Also ideal for long form recordings such as security or broadcast archival.
- Records simultaneously to 25 separate SD cards.
- 12G-SDI for working in all formats up to 2160p60.

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**Blackmagic MultiDock 10G**

Next generation USB-C dock for mounting up to four SSDs for use on a computer or with HyperDeck Extreme 8K HDR.
- 2 fast USB-C generation 2 10 Gb/s connections.
- Four docking bay solution for high performance SSD media disks.
- Can be used with HyperDeck Extreme 8K HDR for adding SSD compatibility.
- Each slot supports 2.5” SATA 3 disks at 6 Gb/s.
- Can be configured for multi disk RAID storage.

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Learn more at [www.blackmagicdesign.com](http://www.blackmagicdesign.com)
Ultimatte 12

Ultimatte Smart Remote 4

Control up to 8 different Ultimatte 12 units at the same time with easy to use touchscreen menus and settings, and direct buttons.

• Remote control touchscreen interface for controlling Ultimatte 12.
• Chain together and control up to 8 different Ultimatte units.
• Ideal for controlling Ultimatte on every camera in live multi-camera production.
• Portable design is great on the desktop or can be rack mounted.
• Buttons for quickly working with presets and a touch screen for complete control.

Ultimatte 12

The world’s most trusted keyer now features 12G-SDI and a real time compositing processor designed for Ultra HD and the next generation of broadcast graphics!

• Real-time compositing, incredible color fidelity, edge detection and more.
• New 12G-SDI for working in 4K along with one touch fast keying.
• Perfect for live broadcast, television and film production.
• New realistic layer mode, algorithms and expanded color space.
• Key backgrounds, add graphics, shadows, lighting, and more.

Find your local reseller at www.blackmagicdesign.com/resellers
UltraStudio 4K Mini

Portable capture and playback solution for Thunderbolt 3 computers with 12G-SDI, HDMI, analog video and audio connections!

- Thunderbolt 3 interface for 40 Gb/s capture and playback.
- Front panel with LCD, mic input, headphone and SD card slot.
- Ideal for edit monitoring, live graphics, archive and streaming.
- Compatible with DaVinci Resolve for editing, color, VFX and audio.
- Supports all SD, 720p, 1080i, 1080p, 2160p and 4K DCI formats.

Learn more at www.blackmagicdesign.com
**Capture and Playback**

**UltraStudio Mini**
UltraStudio Mini models are ideal when space is tight and you require only capture or playback. UltraStudio Mini Recorder features 1G-SDI and HDMI input and UltraStudio Mini Monitor features 1G-SDI and HDMI outputs.

- Thunderbolt 3 interface for 40 Gb/s capture and playback.
- Front panel with LCD, mic input, headphone and SD card slot.
- Ideal for edit monitoring, live graphics, archive and streaming.
- Compatible with DaVinci Resolve for editing, color, VFX and audio.
- Supports all SD, 720p, 1080i, 1080p, 2160p and 4K DCI formats.

**UltraStudio HD Mini**
Portable Thunderbolt 3 capture/playback with 3G-SDI, HDMI and analog connections.

- Portable Thunderbolt 3 powered capture and playback.
- Broadcast quality 10 bit formats up to 1080p60 and 2K DCI.
- Perfect for capture and playback of high definition video in the field.
- Incredible 40 Gb/s for 4:4:4:4 fill and key playback.
- Analog YUV and NTSC/PAL inputs for archiving capture.

**UltraStudio 4K Mini**
Portable capture and playback solution for Thunderbolt 3 computers with 12G-SDI, HDMI, analog video and audio connections!

- Thunderbolt 3 interface for 40 Gb/s capture and playback.
- Front panel with LCD, mic input, headphone and SD card slot.
- Ideal for edit monitoring, live graphics, archive and streaming.
- Compatible with DaVinci Resolve for editing, color, VFX and audio.
- Supports all SD, 720p, 1080i, 1080p, 2160p and 4K DCI formats.

**UltraStudio 4K Extreme 3**
Advanced capture and playback featuring 40Gb/s Thunderbolt 3, 12G-SDI, HDMI 2.0 and virtually all other video connections.

- Rack mount Thunderbolt 3 based capture and playback.
- Advanced 12G-SDI, HDMI, analog connections and more.
- Perfect for professional editors and colorists.
- Works in all SD, HD and Ultra HD formats up to 2160p60.
- 4:2:2 and 4:4:4 quality plus dual stream 3D capture and playback.

Find your local reseller at www.blackmagicdesign.com/resellers
**DeckLink Mini Recorder**
Low profile 1 lane PCIe card with HD-SDI and HDMI for single channel capture in all formats up to 1080p30.
- Record uncompressed 10-bit video direct from SDI or HDMI.
- Switches between SD and HD video formats instantly.
- Perfect for building ingest servers and streaming solutions.
- Includes two PCI shields for full height or low profile slots.
- Works with software on Mac, Windows and Linux platforms.

**DeckLink Mini Monitor**
Low profile 1 lane PCIe card with HD-SDI and HDMI for single channel playback in all formats up to 1080p30.
- Mini playback card for uncompressed 10-bit SD and HD.
- Perfect for monitoring output to SD or HDMI displays.
- Perfect for building ingest servers and streaming solutions.
- Includes two PCI shields for full height or low profile slots.
- Works with software on Mac, Windows and Linux platforms.

**DeckLink Mini Recorder 4K**
Low profile 4 lane PCIe card with 6G-SDI and HDMI for single channel capture in all formats up to 2160p30, including HDR.
- Mini capture card for all formats up to Ultra HD 2160p30.
- Features 6G-SDI and HDMI 2.0 input connections.
- High dynamic range recording and metadata.
- Perfect for building ingest servers and streaming solutions.
- Includes two PCI shields for full height or low profile slots.

**DeckLink Mini Monitor 4K**
Low profile 4 lane PCIe card with 6G-SDI and HDMI for single channel playback in all formats up to 2160p30, including HDR.
- Playback card for uncompressed 10-bit SD, HD and Ultra HD.
- Perfect for monitoring direct to SDI or HDMI displays.
- Monitor from editing software while you edit.
- Includes two PCI shields for full height or low profile slots.

**Intensity Pro 4K**
Broadcast quality PCIe capture and playback in SD, HD and Ultra HD for HDMI, YUV, S-Video and NTSC/PAL devices.
- PCI Express capture and playback card.
- SD, HD up to 1080p60 and Ultra HD up to 2160p30.
- Perfect for editors on Mac, Windows or Linux.
- HDMI, component, composite and S Video.
- Compatible with all popular video editing software.

**DeckLink SDI 4K**
4 lane PCIe card with 6G-SDI for single channel capture and playback in SD, HD and Ultra HD up to 4K DCI 25p.
- The world’s most affordable 6G-SDI capture and playback card.
- 6G-SDI for SD, HD, Ultra HD up to 30fps and DCI 4K to 25fps.
- Ideal for editing, paint, broadcast design and much more.
- multi rate connections work in all video formats.
- RS-422 deck control, internal keying and reference input.

**DeckLink Duo 2**
Multi channel capture or playback with 4 channels!
- Features 4 independent 3G-SDI connections.
- Supports SD formats in SD and HD up to 1080p60.
- Multi channel capture or playback with 4 channels.
- Features 4 independent mini 3G-SDI connections.
- Supports SD formats in SD and HD up to 1080p60.
- Can playback or capture from any combination of connections.

**DeckLink Duo 2 Mini**
Low profile PCIe capture and playback card with 4 independent channels for SD and HD up to 1080p60.
- Multi channel capture or playback with 4 channels.
- Features 4 independent mini 3G-SDI connections.
- Supports SD formats in SD and HD up to 1080p60.
- Can playback or capture from any combination of connections.

**Capture and Playback**
**DeckLink Quad HDMI Recorder**

PCIe capture card with 4 HDMI inputs for capturing up to 4 different SD, HD, Ultra HD and 4K formats at the same time!

- 4 independent HDMI 2.0b video inputs
- High performance PCIe Express 8 lane generation 3 card.
- Ideal for streaming solutions, broadcast servers, software production switches.
- Supports all SD, HD, Ultra HD, 4K DCI and DVI formats up to 60p.
- Capture from computers and gaming consoles up to 2560 x 1600 at 60p.

**DeckLink 4K Extreme 12G**

8 lane PCIe card with 12G-SDI, HDMI and analog component/composite for single channel capture and playback up to UltraHD 60p and 4K DCI 25p.

- Most advanced 4K card for video or digital cinema DCI 4K.
- Dual link 12G-SDI works with all formats up to 4K DCI.
- Stereoscopic 3D 4:4:4 10-bit YUV output is perfect for film production.
- Capture 10-bit 10-bit YUV or full color bandwidth 12-bit RGB.
- Includes AES/EBU audio, up, down and cross conversion.

**DeckLink 4K Extreme 12G - Quad SDI**

Optional mezzanine board for adding quad link SDI input and output to DeckLink 4K Extreme 12G.

- Allows you to connect quad link cameras, decks and displays.
- Works with all equipment and formats up to 4K DCI.
- Perfect for viewing feature film, and complete work on 4K projectors.
- Use in conjunction with built-in AES/EBU audio, up/down/cross conversions, and analog breakout connector.

**DeckLink Studio 4K**

4 lane PCIe card with 6G-SDI, HDMI and analog component/composite for single channel capture and playback up to 4K DCI 25p.

- Capture and playback card for all formats up to 4K DCI 25p.
- Massive number of analog and digital connections.
- Perfect for editors and designers using analog equipment.
- 6G-SDI, component, composite and S-Video, Black Burst and Tri-Sync.
- 4 ch balanced analog and 2 ch AES/EBU switchable to 6 ch out.

**DeckLink 8K Pro**

High resolution 8K capture and playback card that also features multi channel support in all formats up to Ultra HD and 4K.

- Most advanced 8K capture and playback card.
- Quad Link 12G-SDI works in SD, HD, Ultra HD, 2K, 4K and 8K DCI.
- Perfect for high end broadcast and digital cinema workflows.
- Multi channel capture and playback of up to 4 streams in any format up to 4K DCI 60p.
- Advanced 8 lane PCI Express, 10-bit YUV, 12-bit RGB, Rec. 2020.

**DeckLink Quad 2**

8 lane PCIe card with 8 independent 3G-SDI connections for eight channels of capture or playback in all formats up to 1080p60.

- Multi channel 3G-SDI capture and playback card.
- 8 fully independent bi-directional HD/3G-SDI connections.
- Perfect for developers needing to build custom I/O solutions.
- Can be used in any combination of 8 capture or 8 playback channels.
- Instantly switches between capture and playback.
Standards Conversion

Mini Converter UpDownCross HD
Compact 3G-SDI and HDMI converter for converting any SD or HD video format to any other SD or HD format!

- Full standards and cross converter for SD and HD.
- Any SD or HD video format to any other SD or HD format.
- Both SDI and HDMI inputs and outputs.
- Uses high quality Teranex algorithms.
- Supports all formats up to 1080p60.

Teranex Express
The ultimate 12G-SDI up, down, cross and standards converter with 1089 conversions so you can convert any format to any format!

- Realtime broadcast standards converter
- Supports 1,089 different standard and format conversions
- Use to convert any signal, format and frame rate to any other
- 12G-SDI for all SD, HD and Ultra HD formats up to 2160p60
- Converts time code and ancillary data with the video

Teranex AV
Designed for AV professionals, Teranex AV has 12G-SDI, HDMI 2.0a, XLR and HiFi, Low latency, a still store and 1089 conversions!

- World’s first standards converter designed for professional AV
- 12G-SDI, HDMI 2.0a, XLR and HiFi connections.
- Supports 1,089 different standard and format conversions.
- Converts time code and ancillary data with the video
- Built in still store for adding logos and graphics

Learn more at www.blackmagicdesign.com
Video and Audio Converters

Get 2 converters for the price of one!

Capture and Playback Live Production Cameras

Video and Audio Converters

- Automatically detects all SD and HD formats!
- 3G-SDI works in all formats up to 1080p60.
- Convert in both directions independently.
- Powers from any USB source.
- Auto detects SD or HD, optional AC power supply.

Micro Converter BiDirectional SDI/HDMI

Bidirectional SDI to HDMI and HDMI to SDI converter supports independent SD or HD formats in either direction at the same time!
Video and Audio Converters

Micro Converter HDMI to SDI

The world's smallest HDMI to 3G-SDI broadcast quality converter with USB power.

- SDI Rates: 270Mb, 1.5G, 3G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- 4K Video Standards: None
- Ultra HD Video Standards: None
- Features: None
- Power: USB or optional AC power supply

Micro Converter SDI to HDMI

The world's smallest 3G-SDI to HDMI broadcast quality converter with power supply included!

- SDI Rates: 270Mb, 1.5G, 3G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- 4K Video Standards: None
- Ultra HD Video Standards: None
- Features: None
- Power: USB or optional AC power supply

Micro Converter HDMI to SDI wPSU

The world's smallest HDMI to 3G-SDI broadcast quality converter with power supply included!

- SDI Rates: 270Mb, 1.5G, 3G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- 4K Video Standards: None
- Ultra HD Video Standards: None
- Features: None
- Power: USB and includes AC power supply

Micro Converter SDI to HDMI wPSU

The world's smallest 3G-SDI to HDMI broadcast quality converter with power supply included!

- SDI Rates: 270Mb, 1.5G, 3G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- 4K Video Standards: None
- Ultra HD Video Standards: None
- Features: None
- Power: USB and includes AC power supply

Mini Converter SDI to HDMI 6G

Convert SD, HD or Ultra HD SDI to HDMI and analog or AES/EBU audio to SD, HD or Ultra HD SDI.

- SDI Rates: 270Mb, 1.5G, 3G, 6G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- 4K Video Standards: 4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p
- Ultra HD Video Standards: 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30
- Features: 2x SDI out, user selectable Level A or B

Mini Converter Optical Fiber 12G

Extend SDI connections over extremely long distances by converting to optical fiber!

- SDI Rates: 270Mb, 1.5G, 3G, 6G, 12G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- 4K Video Standards: 4K DCI 23.98p, 4K DCI 24p, 4K DCI 25p
- Ultra HD Video Standards: 2160p23.98, 2160p24, 2160p25, 2160p29.97, 2160p30
- Features: Requires optional SMPTE SFP optical module

Mini Converter SDI Distribution

Distribute a single 3G-SDI input to 8 re-clocked 3G-SDI outputs.

- SDI Rates: 270Mb, 1.5G, 3G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- Ultra HD Video Standards: None
- Features: None

Learn more at www.blackmagicdesign.com
Mini Converter SDI to Analog

Convert from 3G-SDI to NTSC, PAL, S-video or component video and audio.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60.
**Ultra HD Video Standards:** None
**SDI Rates:** 270Mb, 1.5G, 3G, 6G
**Ultra HD Video Standards:** None
**Features:**
- Auto-detects SD or HD.
- Embeds audio from analog or AES/EBU.
- De-embeds 3G-SDI to NTSC, PAL, S-video or component video and audio.
- Allows selection of 16 SDI channels out using switches.

Mini Converter Analog to SDI

Convert NTSC, PAL, S-video or component video to SDI with embedded audio.

**SDI Rates:** 270Mb, 1.5G, 3G
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60.
**Ultra HD Video Standards:** None
**SDI Rates:** 270Mb, 1.5G, 3G, 6G
**Ultra HD Video Standards:** None
**Features:**
- Auto-detects SD or HD.
- Embeds audio from analog or AES/EBU.
- De-embeds 3G-SDI audio to 4 channels of balanced analog audio or 8 channels of AES/EBU.
- Allows embedding into 16 SDI channels using switches.

Mini Converter SDI to Audio 4K

De-embed 6G-SDI audio to 4 channels of balanced analog audio or 8 channels of AES/EBU.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60.
**Ultra HD Video Standards:** None
**SDI Rates:** 270Mb, 1.5G, 3G, 6G
**Ultra HD Video Standards:** None
**Features:**
- Allows selection of 16 SDI channels out using switches.
- De-embeds 6G-SDI audio from 4 channels of analog audio or 8 channels of AES/EBU.
- Allows embedding into 16 SDI channels using switches.

Mini Converter Audio to SDI

Embed 3G-SDI audio from 4 channels of analog audio or 8 channels of AES/EBU.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60.
**Ultra HD Video Standards:** None
**SDI Rates:** 270Mb, 1.5G, 3G, 6G
**Ultra HD Video Standards:** None
**Features:**
- Allows embedding into 16 SDI channels using switches.
- De-embeds 3G-SDI audio to 4 channels of balanced analog audio or 8 channels of AES/EBU.

Find your local reseller at www.blackmagicdesign.com/resellers
Video and Audio Converters

**Mini Converter SDI to Analog 4K**

Convert from 6G-SDI to NTSC, PAL, 3-video or component video and audio via down converter.

- SDI Rates: 270Mb, 1.5G, 3G, 6G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- HD Video Standards: 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080PsF50, 1080PsF59.94, 1080PsF60

**Features:**
- Build-in SD/HD down converter, Select AES/EBU or analog audio.
- Push button controls and built-in LCD screen.
- HDMI Instant Lock and 3D LUTs loaded via USB utility.

**Mini Converter SDI Multiplex 4K**

Convert between Single Link 6G-SDI, Dual Link 3G-SDI and Quad Link HD-SDI 4K.

- SDI Rates: 270Mb, 1.5G, 3G, 6G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- HD Video Standards: 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080PsF50, 1080PsF59.94, 1080PsF60

**Features:**
- Convert SDI to Single Link, Single Link to Quad Link, embedded audio support.
- Component, S-video and NTSC/PAL.
- 12G to HD down converter for monitoring Ultra HD on HD monitors.
- Optional front panel control.

**Mini Converter SDI to HDMI 12G**

Convert 12G-SDI to down converted analog or AES/EBU audio to SD, HD and Ultra HD SDI.

- SDI Rates: 270Mb, 1.5G, 3G, 6G, 12G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- HD Video Standards: 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080PsF50, 1080PsF59.94, 1080PsF60

**Features:**
- 4K DCI 23.98p, 24p, 25p, 29.97p, 30p, 47.95p, 48p, 50p, 59.94p, 60p
- Ultra HD Video Standards: 4K DCI 23.98p, 24p, 25p, 29.97p, 30p
- HDMI Instant Lock and 3D LUTs loaded via USB utility.
- Optional front panel control.

**Mini Converter Analog to SDI 12G**

Convert 12G-SDI to analog or AES/EBU audio to SD, HD and Ultra HD SDI.

- SDI Rates: 270Mb, 1.5G, 3G, 6G, 12G
- SD Video Standards: 525i59.94 NTSC, 625i50 PAL
- HD Video Standards: 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080PsF50, 1080PsF59.94, 1080PsF60

**Features:**
- 4K DCI 23.98p, 24p, 25p, 29.97p, 30p
- HDMI Instant Lock and 3D LUTs loaded via USB utility.
- Optional front panel control.
Video and Audio Converters

**Teranex Mini SDI to Audio 12G**

De-embed SDI audio to balanced analog, AES/EBU, HiFi and optical audio.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G, 12G.
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL.
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
**Ultra HD Video Standards:** 2160p50, 2160p59.94, 2160p60.
**4K Video Standards:** 4K DCI 23.98p, 4K DCI 24p, 4K DCI 29.97p, 4K DCI 30p.
**Features:** Supports optional front panel control and USB control software.

**Teranex Mini Audio to SDI 12G**

Embed audio into 12G-SDI from balanced analog, AES/EBU, HiFi and optical audio.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G, 12G.
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL.
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
**Ultra HD Video Standards:** 2160p50, 2160p59.94, 2160p60.
**4K Video Standards:** 4K DCI 23.98p, 4K DCI 24p, 4K DCI 29.97p, 4K DCI 30p.
**Features:** Supports optional front panel control and USB control software.

**Teranex Mini SDI Distribution 12G**

Distribute a single 12G-SDI signal to up to 8 12G-SDI devices simultaneously.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G, 12G.
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL.
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
**Ultra HD Video Standards:** 2160p50, 2160p59.94, 2160p60.
**4K Video Standards:** 4K DCI 23.98p, 4K DCI 24p, 4K DCI 29.97p, 4K DCI 30p.
**Features:** Auto detects SD, HD-SDI, 3G-SDI, 6G-SDI and 12G-SDI rates.

**Teranex Mini 12G-SDI to Quad SDI**

Convert from 12G-SDI to Quad Link SDI in all formats up to 2160p60.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G, 12G.
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL.
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
**Ultra HD Video Standards:** 2160p50, 2160p59.94, 2160p60.
**4K Video Standards:** 4K DCI 23.98p, 4K DCI 24p, 4K DCI 29.97p, 4K DCI 30p.
**Features:** Use old quad link and dual link equipment with 12G-SDI, separates Ultra HD to 4 HD signals.

**Teranex Mini Optical to HDMI 12G**

Convert from Optical Fiber SDI to HDMI in all SD, HD and Ultra HD formats up to 2160p60.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G, 12G.
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL.
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
**Ultra HD Video Standards:** 2160p50, 2160p59.94, 2160p60.
**4K Video Standards:** 4K DCI 23.98p, 4K DCI 24p, 4K DCI 29.97p, 4K DCI 30p.
**Features:** Down converter. Optional front panel control and USB control.

**Teranex Mini HDMI to Optical 12G**

Convert from HDMI to optical fiber SDI in all SD, HD and Ultra HD formats up to 2160p60.

**SDI Rates:** 270Mb, 1.5G, 3G, 6G, 12G.
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL.
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
**Ultra HD Video Standards:** 2160p50, 2160p59.94, 2160p60.
**4K Video Standards:** 4K DCI 23.98p, 4K DCI 24p, 4K DCI 29.97p, 4K DCI 30p.
**Features:** Supports optional front panel control and USB control software.

**Teranex Mini IP Video 12G**

Send or receive HD video over standard copper Ethernet or Ultra HD over 10G optical Ethernet!

**SDI Rates:** 270Mb, 1.5G, 3G, 6G, 12G.
**SD Video Standards:** 525i59.94 NTSC, 625i50 PAL.
**HD Video Standards:** 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60.
**Ultra HD Video Standards:** 2160p50, 2160p59.94, 2160p60.
**4K Video Standards:** 4K DCI 23.98p, 4K DCI 24p, 4K DCI 29.97p, 4K DCI 30p.
**Features:** Supports 10G SGMII encoding and decoding, Ethernet switch. Routing control included.
Video and Audio Monitoring

Blackmagic Video Assist 4K

Add a professional 7” monitor, scopes, XLR inputs and broadcast quality HD and Ultra HD recorders to any DSLR or SDI camera.

- Professional 7” monitor and Ultra HD recorder.
- Large 7” touchscreen monitor with overlays.
- Ideal for use with SDI and HDMI field cameras.
- Record 10-bit 4:2:2 ProRes or DNxHD.
- Built in SD card and high speed UHS-II recorders.

Find your local reseller at www.blackmagicdesign.com/resellers
SmartView 4K
Full resolution 3840 x 2160 Ultra HD broadcast monitor with 12G-SDI for SD, HD and Ultra HD monitoring up to 2160p60!
- Full resolution 3840 x 2160 Ultra HD monitor.
- 12G-SDI for working in all formats up to 2160p60.
- Ideal in road kits, on trucks or in equipment racks.
- Includes H/V delay, blue only, zoom, focus peaking and more.
- Built in 3D LUT support for monitoring.

SmartScope Duo 4K
Dual 8” 3 RU monitors with 6G-SDI and built in scopes for technical waveform monitoring and signal evaluation!
- Waveform monitor with dual independent screens.
- Measure all aspects of a broadcast video.
- Works in SD, HD or Ultra HD.

Video and Audio Monitoring

Blackmagic Video Assist
Add a professional 5” monitor and broadcast quality HD recorder with ProRes or DNx to any DSLR or SDI camera.
- Professional 5” monitor and recorder for SDI and HDMI cameras.
- Large 5” touchscreen monitor with overlays.
- Perfect as a field monitor and backup recorder.
- Record 10-bit 4:2:2 ProRes or DNxHD onto SD cards.
- Histogram, focus peaking, focus assist, on screen status.

SmartView Duo
Dual 8” 3 RU monitors with 3G-SDI and central software control for monitoring from different SD and HD sources!
- Dual high quality 3G-SDI monitoring.
- Two large 8” LCD screens for SD and HD.
- Compact rack mount 3 RU design.

Blackmagic MultiView 4 HD
Monitor up to four different SD and HD sources on the same display at the same time!
- Simultaneously monitor multiple sources on a single display.
- Mix and match up to four SD and HD sources.
- Full Frame re-synchronization on each input.
- Works with all equipment and formats up to 1080p60.

Blackmagic MultiView 16
Monitor up to 16 different SD, HD and Ultra HD sources and frame rates at the same time on a single Ultra HD or HD display!
- World’s first native Ultra HD resolution multi viewer.
- Views 4 full size HD signals at the same time!
- Connect up to 16 different SD, HD and Ultra HD SDI sources.
- Custom on screen labels and audio meters.
- Allows 50/4, 4, 9 or 16 views to be selected.

Blackmagic MultiView 4
Monitor any combination of SD, HD and Ultra HD sources all on the same display, at the same time!
- Simultaneously monitor multiple sources on a single display.
- Four 6G-SDI inputs with full re-synchronization.
- Perfect for anyone that needs to see multiple signals at the same time.
- Works with all SD, HD and Ultra HD formats up to 2160p30.

Broadcast quality analog, AES/EBU and SDI audio monitoring with advanced 12G-SDI Ultra HD technology!
- Rack mount speakers, meters, screen and subwoofer.
- Unique dual subwoofer design in a 1 RU size.
- Powerful class D amplifier.
- Built in LCD for monitoring video sources.
- 12G-SDI input works with all formats up to Ultra HD 2160p60.

Find your local reseller at www.blackmagicdesign.com/resellers

Blackmagic Audio Monitor 12G

SmartScope Duo 4K
Dual 8” 3 RU monitors with 6G-SDI and built in scopes for technical waveform monitoring and signal evaluation!
- Waveform monitor with dual independent screens.
- Measure all aspects of a broadcast video.
- Works in SD, HD or Ultra HD.

Blackmagic MultiView 4

Blackmagic MultiView 4 HD
Macron up to four different SD and HD sources on the same display at the same time!
- Simultaneously monitor multiple sources on a single display.
- Mix and match up to four SD and HD sources.
- Full Frame re-synchronization on each input.
- Works with all equipment and formats up to 1080p60.

Blackmagic MultiView 16

Monitor up to 16 different SD, HD and Ultra HD sources and frame rates at the same time on a single Ultra HD or HD display!
- World’s first native Ultra HD resolution multi viewer.
- Views 4 full size HD signals at the same time!
- Connect up to 16 different SD, HD and Ultra HD SDI sources.
- Custom on screen labels and audio meters.
- Allows 50/4, 4, 9 or 16 views to be selected.

Broadcast quality analog, AES/EBU and SDI audio monitoring with advanced 12G-SDI Ultra HD technology!
- Rack mount speakers, meters, screen and subwoofer.
- Unique dual subwoofer design in a 1 RU size.
- Powerful class D amplifier.
- Built in LCD for monitoring video sources.
- 12G-SDI input works with all formats up to Ultra HD 2160p60.

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Routing and Distribution

Smart Videohub 12G 40x40

Advanced 40x40 multi format SD, HD and Ultra HD SDI router with built in monitoring, spin knob control, 12G-SDI technology!

- Mixed format 12G-SDI video router.
- 40 inputs and 40 outputs in 2 RU size.
- Use to route any signal anywhere in your facility.
- Visual routing on built in display lets you see video before routing.
- Mix SD, HD and Ultra HD up to 2160p60, display and spin knob control.

Find your local reseller at www.blackmagicdesign.com/resellers
Routing and Distribution

Smart Videohub 12x12
Advanced 12x12 multi format SD, HD and Ultra HD SDI router with built in monitoring, spin knob control, 6G-SDI technology!
- Compact mixed format 6G-SDI video router.
- 12 inputs and 12 outputs in a single RU size.
- Perfect for small post houses or broadcast trucks.
- Visual routing on built in display lets you see video before routing.
- 6G-SDI lets you mix SD, HD and Ultra HD up to 2160p30.

Smart Videohub 20x20
Advanced 20x20 multi format SD, HD and Ultra HD SDI router with built in monitoring, spin knob control 6G-SDI technology!
- Compact mixed format 6G-SDI video router.
- 20 inputs and 20 outputs in a single RU size.
- Route SD, HD and Ultra HD signals between any 2 points.
- Visual routing on built in display lets you see video before routing.
- 6G-SDI lets you mix SD, HD and Ultra HD up to 2160p30.

Smart Videohub CleanSwitch 12x12
Clean switch 12x12 SD, HD and Ultra HD SDI router with built-in monitoring, spin knob control, 6G-SDI and re-sync on all inputs!
- Compact mixed format 6G-SDI video router.
- Full frame re-synchronization on every input.
- Clean glitch free switching between the same format.
- Visual routing on built in display lets you see video before routing.
- 6G-SDI lets you mix SD, HD and Ultra HD up to 2160p30.

Smart Videohub 40x40
Advanced 40x40 multi format SD, HD and Ultra HD SDI router with built in monitoring, spin knob control, 6G-SDI technology!
- Mixed format 6G-SDI video router.
- 80 6G-SDI connections in a compact 2 RU size.
- Route SD, HD and Ultra HD signals between any 2 points.
- Visual routing on built in display lets you see video before routing.
- 6G-SDI lets you mix SD, HD and Ultra HD up to 2160p30.

Universal Videohub 72
Modular based router which lets you add up to 18 hot swappable BNC SDI or optical fiber interfaces, a 72x72 crosspoint card and power card.
All components sold separately.

Universal Videohub 288
Modular based router which lets you add up to 72 hot swappable BNC SDI or optical fiber interfaces, available in 72x72 or dual 288x288 crosspoint configurations, as well as up to two power cards for redundancy. Also available with redundant crosspoints. All components sold separately.

Videohub Smart Control
40 button control panel for XY or single destination control. Supports ethernet!
- 40 button control panel connects via ethernet and can be used anywhere.
- Cut bus style hardware control panel with support for multiple destinations.
- 40 customizable front panel buttons.
- Route any signal from anywhere to anywhere in the facility.

Videohub Master Control
Spin knob and direct entry control panel with LCD status. Supports ethernet!
- Remote Videohub controlling for using router anywhere in your facility.
- Scroll through router sources and destinations using spin knob and LCD.
- 40 customizable front panel buttons.
- Elegant LCD for displaying source and destination labels.

Universal Videohub Modules
- Universal Videohub Deck Control Cable
Interface card remote cable with
4 x 9 pin deck control connections!
- Universal Videohub 12V 150W Power Supply
12V 150W power supply for Universal Videohub 72
- Universal Videohub Sdi Interface
3G-SDI interface for Universal Videohub.
4 x SDI in, out and deck control!
- Universal Videohub Optical Fiber Interface
Optical fiber interface for Universal Videohub.
4 x Optical in and out including deck control!
- Universal Videohub Power Supply
Rack based power supply and card for Universal Videohub for large routers!

Learn more at www.blackmagicdesign.com