

# Introducing Teranex Mini

Next generation mini converters with better technology and features!



Introducing Teranex Mini, the next generation 12G-SDI converters with award winning Teranex quality and support for all SD, HD and Ultra HD formats up to 2160p60! All Teranex Minis include an internal AC power supply, professional XLR analog and AES/EBU audio connections and an ethernet connection for remote

management and PoE alternate power! Teranex Mini features a user upgradable front panel that includes a color display and user controls so you can quickly monitor video and change settings right from the front of the converter! You get all of the same great features of regular mini converters and so much more!



## Use Anywhere

The world's most versatile converters!

The all new Teranex Mini converters make building facilities and supporting all different types of

video equipment easier than ever before. Teranex Mini is perfect for broadcast installations because they can be rack mounted and the optional front panel lets you see what's being converted on the screen! They can even be remote managed over ethernet. Their compact size makes them great for portable racks at live events or in broadcast trucks, plus they have professional XLR audio connections for connecting to mixers and other audio gear! You can even use them in editing and color grading suites to drive big screen displays and projectors!

## **Reinventing the Mini Converter**

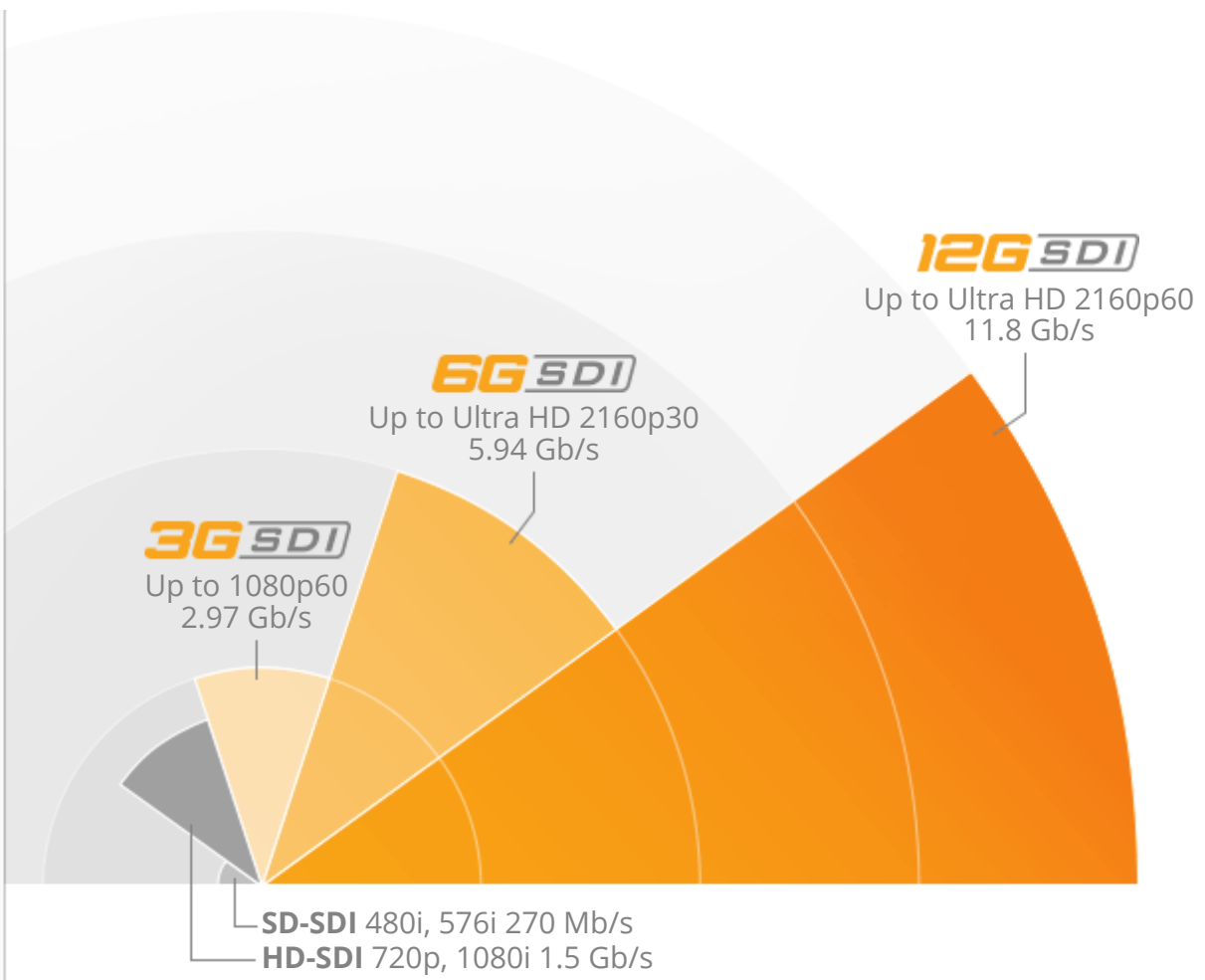
The first mini converter you don't have to hide!

Teranex Minis are so small that you can use them like regular mini converters such as hiding them in cable ducts, behind equipment and attached to televisions for monitoring. Teranex Mini's new flexible design lets you use them on the desktop where you can see them, or rack mount them in larger broadcast systems.

Unlike regular mini converters, you get full size professional XLR audio connections built into the converters, plus each converter has an ethernet connection so they can be administered remotely. You get mini switches so you can change settings instantly or, when you're doing mission critical work, you can add the optional front panel to see exactly what you're converting.



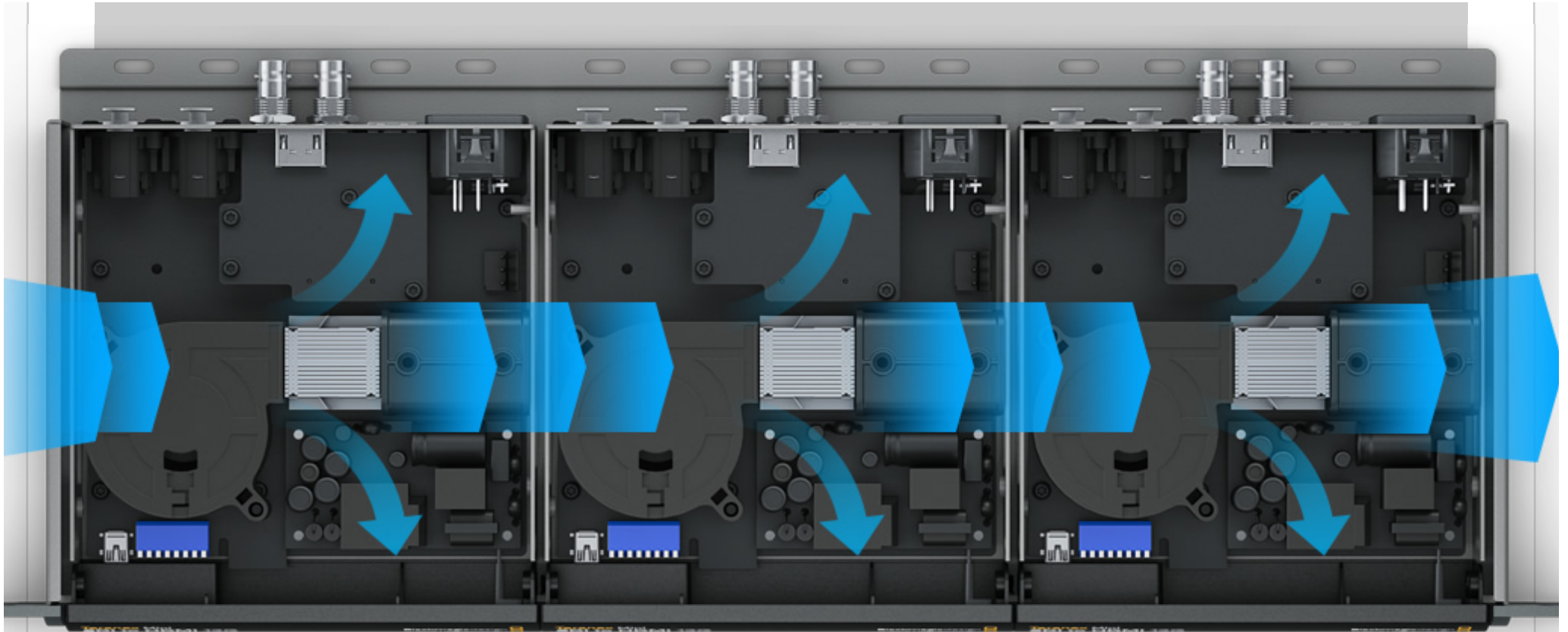
buy an entire rack chassis even if you only want to install one converter. Teranex Minis can be rack mounted in combinations of one or more and you can take them out and use them non rack mounted whenever you need! You get built in AC power and ethernet on every converter so there's no single point of failure. Unlike card based converters, you can walk up and change settings from the front panel, monitor the video going through each converter, and you can also manage them remotely over ethernet! Because they're so small you can mount them in the front or the rear of an equipment rack or road case.



## Advanced 12G-SDI

Blazing fast 12G-SDI for SD, HD and Ultra HD!

Teranex Mini converters feature cutting edge, multi rate 12G-SDI technology that's 8 times faster than regular HD-SDI. 12G-SDI is multi rate so it will automatically detect and change between all SD, HD and Ultra HD video formats instantly, so you can connect Teranex Mini to all of your existing SD and HD equipment. 12G-SDI supports high frame rate Ultra HD up to 2160p60 on a single BNC cable so you can work in Ultra HD and keep your high frame rate production workflow for fast moving sports and action programming.



## Smart Thermal Design

Easily handles 12G-SDI in tough environments!

Teranex Mini features an innovative thermal design with crossflow cooling that keeps them running perfectly, even when rack mounted side by side and in tough environments! An intelligent thermal subsystem and internal heat pipe assist with cooling and keeps the air flowing at all times while minimizing noise. When rack mounted side by side, each Teranex Mini works together to pull air through the rack keeping them all cool and providing redundancy for each converter.

# Teranex Mini Smart Panel

## Monitor video on your converter!

The Teranex Mini Smart Panel takes the guesswork out of using a converter! Now you can see the video going through your converter using the built in LCD screen. The panel also features push buttons and an easy to navigate on-screen menu that lets you quickly adjust and save settings. The Teranex Mini Smart Panel is perfect when you're out in the field or on set without external monitors, or even when you have multiple converters mounted in equipment racks and just want to see what's going through them all!







Plug in the Teranex Mini Smart Panel and fasten using the screws.

## Broadcast Connections

True XLR audio, ethernet and built in IEC AC power connectors

All Teranex Mini converters feature standard, professional broadcast quality connectors, including full size professional XLR audio connections and high speed BNC connections for handling the extremely high bandwidth of cutting edge 12G-SDI technology. All models feature a built in multi volt 90V-240V AC power supply and standard IEC AC power connector so you can use any regular power cable. The built in ethernet connection allows remote administration and can also be used to power the converter when connected to power over ethernet switch.



Teranex Mini - SDI to Analog 12G



Teranex Mini - HDMI to SDI 12G

# Digital and Analog Audio

## Truly professional quality audio!

The professional XLR connections can be switched between balanced analog or AES/EBU digital audio so you can connect to any professional analog or digital audio equipment. If you're running pro digital audio gear, you can keep your audio digital the whole way through for perfect digital quality. With professional audio built into every converter, you can connect to pro audio gear like mixers, effects processors, compressors, limiters and more into SDI based video systems. For analog audio, Teranex Mini's feature an extremely low noise floor of more than -115 dBFS so even analog audio background noise is virtually silent.



New for NAB 2016

## HDMI Instant Lock

Get instant image lock when using consumer HDMI TV's

HDMI televisions and projectors make great monitors, but they can take a long time to lock onto a signal when a new source is connected. The SDI to HDMI model includes our new HDMI Instant Lock feature that fixes this problem because it continues sending an active HDMI signal to the display even when the SDI input is disconnected. If an SDI input is connected that's the same format as the previous signal, it can lock instantly and in as little as 1 frame! That means if you install a Teranex Mini SDI to HDMI 12G model to the output of your router, when you switch sources the monitor will update instantly. It's just like using a clean switch router!



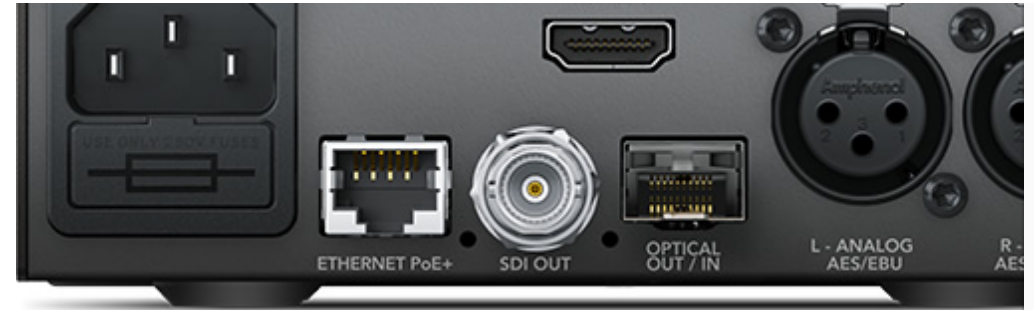
## Optical Fiber Models

Build broadcast facilities using optical fiber!

Optical fiber SDI is becoming more popular because it handles extremely long distances, even at the high speeds of 12G-SDI. Optical fiber cables can be installed by electricians or computer networking installers so it's easy to use. Each model of Teranex



Mini has a corresponding optical fiber model so you can run native optical fiber systems and convert directly from optical fiber to HDMI, analog video or audio. HDMI models of Teranex Mini have a corresponding optical fiber model so you can run native optical fiber systems and convert directly from optical fiber to HDMI.



10,000m / 32,808ft

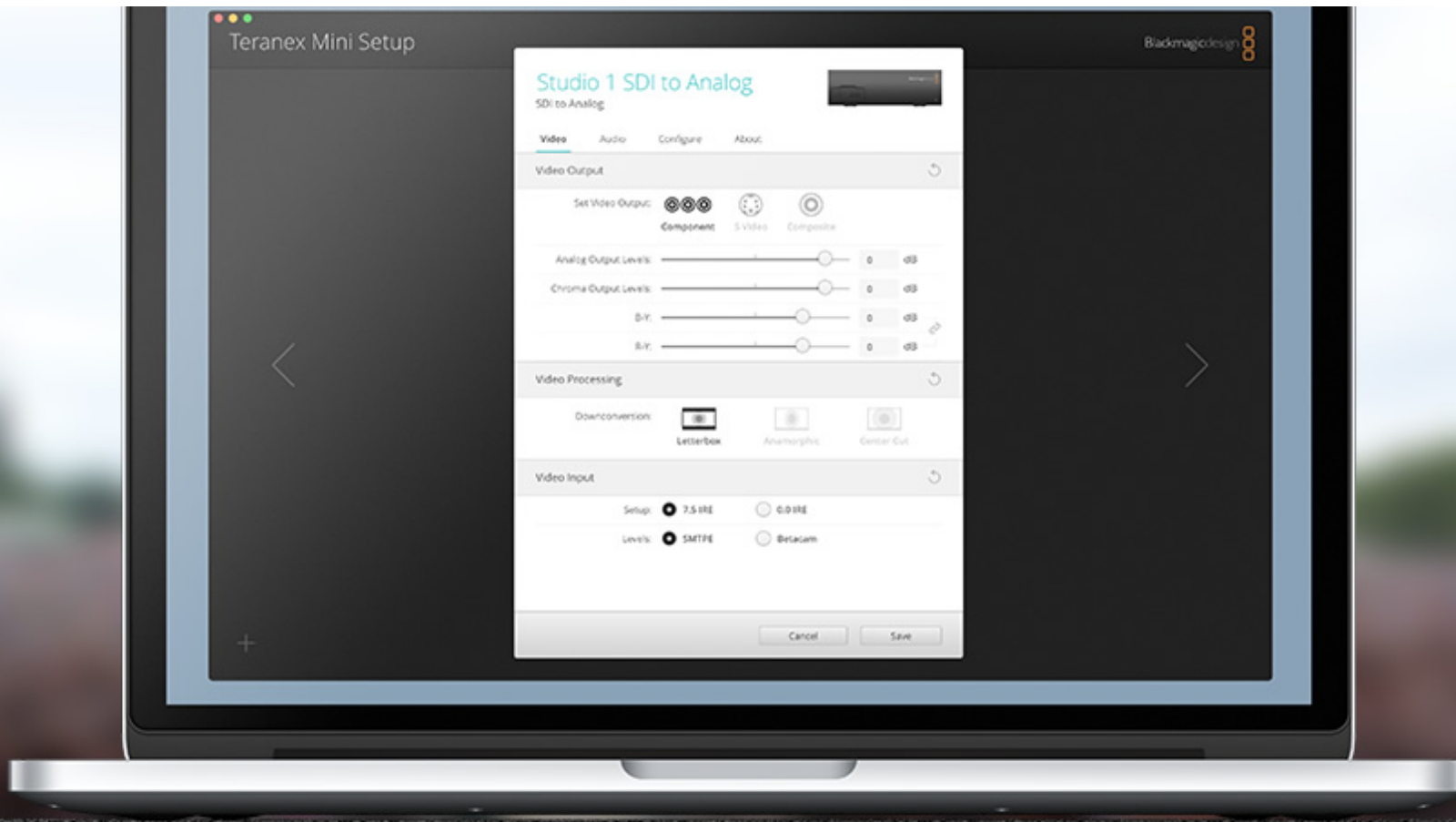
12Gb/s Ultra HD at 2160p60

## Local or Remote Control

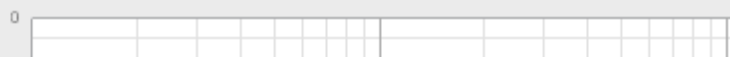
Easily control and manage your converters!

Like regular Mini Converters, Teranex Mini features built in mini switches and a printed diagram on the converter so you can quickly and easily change settings. When using the optional Teranex Smart Panel, settings can be changed using the push buttons and simple on screen menus. If you're in a larger facility using lots of converters, you can manage them over ethernet from a Mac or Windows computer using the included Converter Utility software.





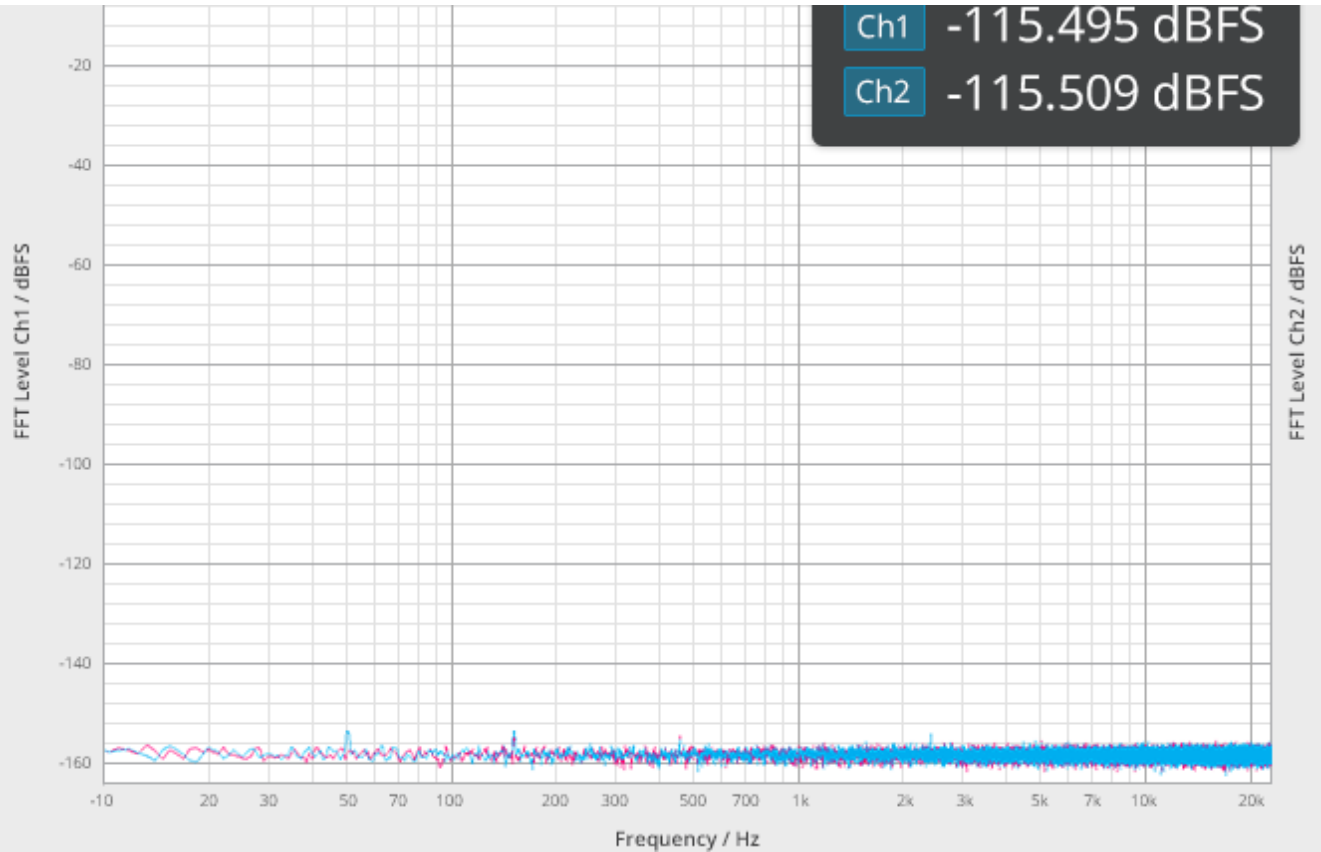
Highest Quality!



RMS via FFT

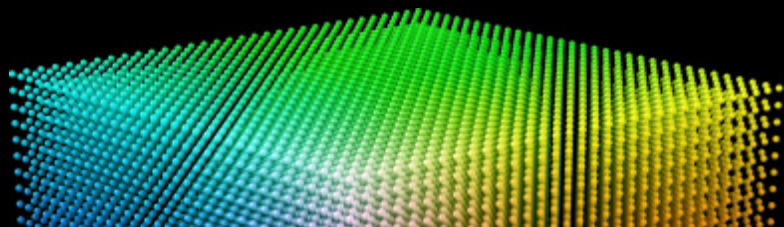
# Patented Teranex Image Processing

Built using high quality Teranex video processing technology, Teranex Mini is ideal for all broadcast, post production and professional video applications. You get full SDI re-clocking and low jitter so you can use longer cables and because Teranex Mini's have been designed for 12G-SDI, you get extremely long cable lengths when running at slower SDI speeds such as 6G-SDI, 3G-SDI and HD-SDI. When converting to analog you get extremely low noise because of the high quality 12-bit video processing. When you're running Ultra HD to analog video Teranex Mini's will upscale or down convert to analog HD automatically!



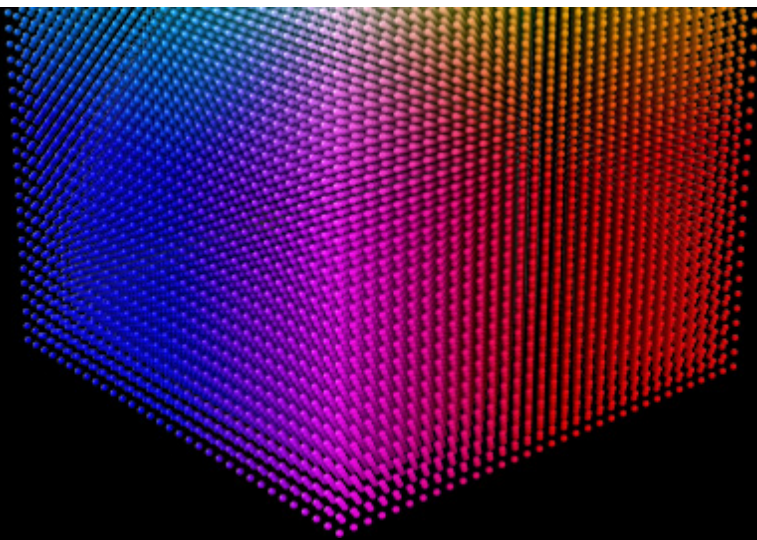
Audio Floor Graph for Teranex Mini Audio to SDI 12G

New for NAB 2016



## 33 Point 3D LUT Support!

Create custom looks with high precision film quality 3D LUT



Teranex Mini SDI to HDMI includes a full 33 point 3D lookup table for extremely high precision color conversion that lets you apply custom looks, color and gamma changes to monitoring in realtime while on set! The LUTs can also be output on the SDI loop thru output so you can even use Teranex Mini SDI to HDMI as a 3D LUT processor. 3D LUT's from DaVinci Resolve as supported so you can use the same LUT on set and in post with DaVinci Resolve for a consistent color workflow! Two separate 3D LUTs can be loaded via the admin software over Ethernet, or from the optional Teranex Mini Smart Panel.

## 7 Models

HDMI to SDI 4K, SDI to HDMI 4K, SDI to Analog 4K, Analog to SDI, Audio to SDI 4K, SDI to Audio and more

