multidyne.com

MultiDyne

Product Brief

50 YEARS

OF **EXPERIENCE**
SERVING **THE**
BROADCAST
AND VIDEO
PRODUCTION
COMMUNITIES
WORLDWIDE

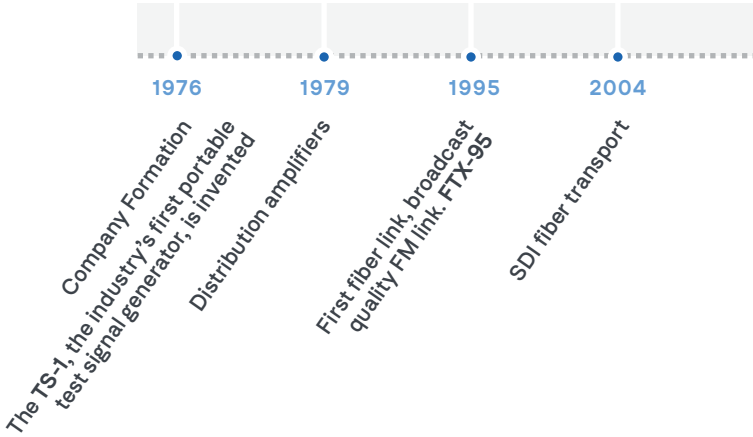
2026

Made In USA

COMPANY FOUNDING

Foundation for Future Innovation

In 1976, Vincent Jachetta turned his vision into reality by founding MultiDyne, drawing on years of hands-on experience in the broadcast industry with NBC, CBS.



Drawing from this deep technical knowledge and understanding of broadcasters' needs, Vincent envisioned a company that could deliver innovative solutions for video signal testing and transmission. From its inception, MultiDyne focused on creating portable and reliable equipment. This allowed TV stations to test and configure signals in the field.

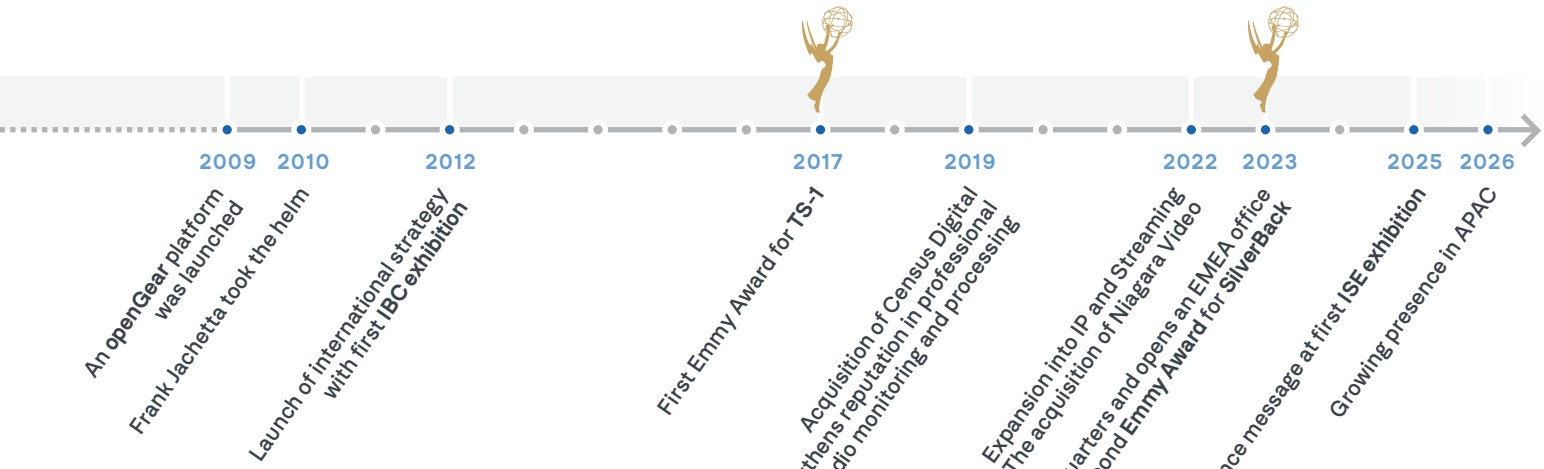
BUSINESS DEVELOPMENT

Expanding Global Presence

MultiDyne

Frank Jachetta strengthened the company's global presence, opening new offices and engineering labs, and continued the family tradition of technical excellence and ingenuity.

Developing innovative fiber-optic and IP-based solutions, the company introduced advanced products such as the SilverBack-II and SilverBack V series, which integrate 12G and IP workflows for high-quality video transmission. These innovations have earned MultiDyne two Technology & Engineering Emmy Awards, solidifying its reputation as a leader in live video transport and production technologies.



Over the past two decades, Frank has led the company through year-on-year growth driven through expansion into new markets and verticals (digital cinema, ProAV, government), broader international presence, strategic acquisitions, an extensive channel partner network, and an increasingly diverse product portfolio.

The years 2024 — 2026 have seen MultiDyne's greatest bottom-line success, powered through a well-rounded leadership team and a decades-long commitment to visionary engineering and exceptional customer support.

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Mini Fiber Optic Link

DOWNLOAD ONLINE COPY OF THIS BROCHURE

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SilverBack

Cinematic Live Multicam

Multipurpose Your 12G / 4K & HD / 3G Cameras

The SilverBack V provides a robust, full bandwidth fiber optic link between any 12G, 4K camera and your truck, control room or "video village" position. The system puts power and all of the signals needed for multi-camera 4K/ UHDTV production onto a single tactical or SMPTE hybrid fiber cable, ensuring trouble-free connectivity on any studio or remote production.

The SilverBack converts the latest Digital Cinema Cameras into SMPTE Studio Cameras ideal for cinematic live multicam applications. The system is available in multiple video I/O configurations and can support 12G-SDI based 4K signals as well as up to six 3G-SDI. Full camera control is provided by the camera manufacturer's control panel via serial or a 10/100/ GigE Ethernet path. Genlock, Intercom, Tally and GPIO are also provided.

SilverBack-APE Connector Side

SilverBack-APE Control Side

APPLICATIONS

- 4K SPORTS & OB
- LIVE MUSIC & ENTERTAINMENT
- DIGITAL CINEMA
- HIGH FRAME RATE ACQUISITION
- LIVE CINEMATIC MULTI-CAM

Digital Cinema Camera manufacturers are increasingly introducing cameras that require 24VDC power in order to operate. In response, MultiDyne has developed the APE Advanced Power Extension integrated accessory for the SilverBack lineup. In addition to powering these new 24VDC cameras, the APE provides comprehensive accessory power outputs for servos, monitors and just about any accessory you need to power on your camera rigs.

FEATURES

- All Signals on ONE Cable
- Optional 12G-SDI, 6G-SDI & 3G-SDI I/O
- 10+Km Operation
- 2 Channels of Intercom
- Anton-Bauer or "V-mount" Battery Option
- Integrated Tally Indicator
- 1GbE Ethernet
- Camera RCP Control
- 1 Additional Data Path (232/422)
- Optical Connector on Integrated Swivel
- Top & Bottom Dovetail Plates with 1/4-20 & 3/8-16 Taps for Mounting Accessories
- Optional Tally/GPIO Cable
- Optional Tally Light Accessory
- Rugged Lightweight, Low-profile Design
- Designed and Manufactured in the USA

MultiDyne

Made in USA | Specifications subject to change without notice

VersaBrix

VB-SERIES

Customizable PTZ / POV Camera Extension

Canon CR-N700 PTZ
with V6 shown in black and white

Now available in white to maintain your installation's integrity

Purpose-built hardware plays an important role in broadcast and professional AV. These industries continue to grow and change however, and content creators simply need more flexible options to meet varied and changing requirements for their productions.

Adaptable to most professional PTZ and POV cameras and able to transport a full complement of video, audio and data signals, the VB Series offers robust, versatile solutions to serve almost any broadcast and AV production application imaginable.

VT	V4	V6	VX
2 Card Slots	4 Card Slots	6 Card Slots	10 Card Slots

FEATURES

- Up to (X) Channels of 12G/6G/3G/HD-SDI
- RS-232/422/485 Serial Data
- Tally and GPIOs
- Genlock (Bi-Level or Tri-Level)
- 1GbE Ethernet w/ 2 Port Hub
- Optional POE++
- Optional Remote Power via Hybrid Fiber
- Optional Universal Mounting Brackets
- Chassis Available in Standard Black or New White finishes for Corporate, Medical, Scientific or Educational Environments

APPLICATIONS

- REMOTE PTZ / POV CAMERA CONNECTIVITY
- ROBOTIC CAMERA CONTROL
- BULK 12G-SDI & 3G-SDI SIGNAL EXTENSION
- EXTEND MULTIPLE OPTICALLY ISOLATED 1GBE LANS OVER 1 FIBER
- ANALOG AND AES AUDIO TRANSPORT

VB to VB

VB-FR7-RX

12G/6G/3G-SDI	←
12G/6G/3G-SDI	←
Audio	↔
Genlock	→
Timecode	→
Tally/ GPIO	→
1GbE Ethernet	↔

Single-Mode Fiber

Example configuration

VB to openGear Cards

OG-7802

12G/6G/3G-SDI	←
12G/6G/3G-SDI	←
Audio	↔
Genlock	→
Timecode	→
Tally/ GPIO	→
1GbE Ethernet	↔

Single-Mode Fiber

Example configuration

MultiDyne

VersaFrame

VF-9000 Series

Versatile Data & Video Fiber Optic Transport Platform

The VF-9000 is a 1RU, high density video fiber optic transport platform with 18 optical I/O (9 or 18 SFP Ports), it can be configured with up to 18 full size BNCs or 36 HD-BNCs. The system also supports up to 9 1GbE optical extensions, and provides the user with the option to handle SDI and LAN signals in one frame.

The configuration of video input vs. output is configured automatically, following the I/O of the SFP installed. If a dual TX SFP is inserted into a slot, the two BNCs at the back of the slot become inputs. If a dual RX SFP is inserted into a slot, the two BNCs at the back of the slot become outputs. There are no setups or configurations required.

If the unit is populated with CWDM SFPs, all 18 signals can be multiplexed/demultiplexed over from one SM fiber. Next to the SFP cages are the optical multiplexer/ de-multiplexer I/O's, configured with LC ports for easy patching with generic, inexpensive LC patch cables.

Each video card in the VF-9000 has 2 BNCs or 4 HD-BNCs on the back, and one or two SFP cages in the front. These cards can be ordered with two channel SFPs and two BNCs as described above, or with a single BNC input and loop output. In this case, there will be only one optical output. The reciprocal receiver card would have only one optical input with a dual BNC output.

Ideal for use in OB vans where space is limited and high density is a necessity. With dual hot swappable power supplies, there is peace of mind with power redundancy and no need for cumbersome external power supplies.

CUSTOM TAILOR A VF-9000 SOLUTION

Configurator Tool Available at
↗ https://configurator.multidyne.com/launcher

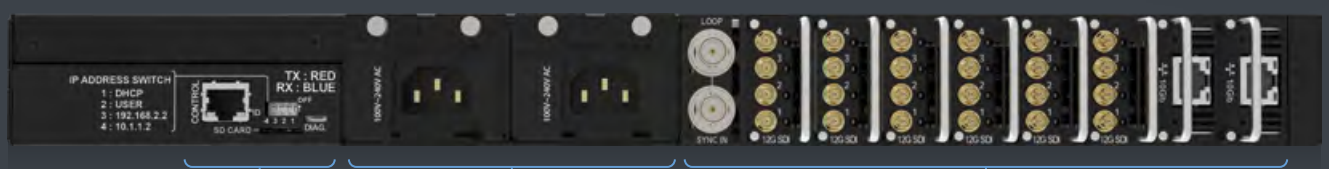
FEATURES

- High Density
  - Up to 9 RJ-45
  - Up to 18 BNCs
  - Up to 36 HD-BNCs
  - Up to 9 HDMI
- All I/O Are Configured Automatically Based On VFC/ SFP Selection
- SFP Modules Can Be Hot-swapped Without Decabling Coaxial Connections
- Redundant AC Power Supplies
- Optional Single or Dual Integrated CWDM Muxes/ De-Muxes
- Condense Signals Up To 36 Signals on Two SM Fibers
- Can Be Used For Video Transport, Signal Regeneration or Wavelength Shifting

APPLICATIONS

- SPORTS BROADCAST
- ENG, EFP
- MILITARY
- LIVE STAGE EVENTS
- INTRA & INTER-FACILITY CONNECTION
- CAMPUS & METRO TRANSPORT

REAR PANEL



HoneyBadger

Stadium Signal Extension

Campus / Venue Bi-Directional Video / Audio / Intercom / Data Extension Platform

The HoneyBadger doesn't care how big your venue is. It can handle the job with a feature set that is unavailable elsewhere in the broadcast production signal extension market.

With support for 8 cameras and return feeds plus Genlock extension, the system has your image acquisition requirements under control and in time. The Partyline Intercom channels and eight mic-pre inputs have your talent on-air loud and clear while the two isolated 1GbE LAN extensions let you get your IP connectivity extended over the same two Single-Mode fibers.

HoneyBadger Remote unit is a 5RU rack mountable chassis with dual, redundant 48VDC power supplies and a battery plate for short term emergency back up power. Fiber connector options include dual ST, Neutrik opticalCON DUO and LEMO 304M SMPTE standard connectors. The HoneyBadger Local side unit is a compact 4RU that provides the same industry standard connectivity as the remote side with full size BNCs for video, XLRs for Audio and easy to terminate Phoenix connectors for the Serial Data and GPIOs. The HoneyBadger is also available with 12G-SDI I/O to support 4K production.

APPLICATIONS

- CAMPUS / STADIUM PRODUCTION SIGNAL EXTENSION
- TRUCK TO CONTROL ROOM LINKS
- CONTROL ROOM TO STUDIO LINKS
- METRO INTRA-FACILITY CONNECTIONS

HB-DC-DBL-12G Local Side – 4RU	Supported Signals	**HB-DC-DBR-12G** Remote Side – 5 RU
Genlock	→	Genlock
8× 12G/3G/HD-SDI	→	8× 12G/3G/HD-SDI
8× 12G/3G/HD-SDI	←	8× 12G/3G/HD-SDI
8× Line Level Audio	→	8× Line Level Audio
8× Line Level Audio	←	8× Mic/Line level Audio
2× 1GbE Ethernet	↔	2× 1GbE Ethernet
2× 1GPIO / Serial	↔	2× GPIO / Serial
4-Wire Intercom	→	Wet/Dry 2-Wire
4-Wire Intercom	←	Wet/Dry 2-Wire
4-Wire Intercom	←	Wet/Dry 2-Wire
4-Wire Intercom	←	Wet/Dry 2-Wire

FEATURES

- All signal I/O extended over 2× Single-Mode Fibers
- Supports 8× Camera Feeds & 8× SDI Return Channels
- Available in 3G-SDI and 12G-SDI Versions
- Supports up to 8× Wet/Dry Partyline Intercom Channels
- 2× Independent 1GbE LAN Extensions
- 2× Independent RS-232/422/485 Data Channels
- 8× Mic-Pre Inputs with Phantom Power
- 8× Line Level Analog Audio Outputs
- Tri-Level or Bi-Level Genlock Output
- Redundant 48VDC Power Supplies
- Battery Plate for Emergency Backup
- Gold Mount & V-Mount Battery Plate Options

MultiDyne

FiberSaver

3G 10G 12G 25G

Configurable Digital Fiber Multiplexers & Wavelength Shifters

FSCu-12G-T-B-ST 6 Channel Fiber & Copper 12G Tx

FS-12G-T-B-ST 6 Channel Fiber Only 12G Tx

The FiberSaver Series has been designed to help engineers and designers overcome situations where there are many signals to move over fiber, but not enough available fibers due to a lack of access or inability to run more fiber.

3G and 12G systems are available in uni and bi-directional configurations ranging from 6×0 and 18×0 to 3×3 and 9×9. Asymmetrical bi-directional configurations are also available.

Unique to the FiberSaver Series is the option to provide a Coaxial copy of an optical input or output path. This capability can be used on one or both sides of a system for the ultimate in conversion between optical and SDI sources and receive devices.

The coax input can be used to input an auto-failover /keep-alive signal as the system will automatically select the coax input when light is not detected on the input.

When the coax stage is populated on the Rx side of the system the FiberSaver will output simultaneous copies of the incoming optical signal.

Since the FiberSaver is receiving and then re-transmitting the optical signal, you get a fresh optical budget that allows transmission over even longer distances. The Rx side of the system can be an optical only passive de-mux unit or an active receiver with reamplified optical out with or without coax copies.

3G FiberSavers will also work with 1G Ethernet and MADI signals and new 10G versions support 10GbE and SMPTE Camera Chains that operate at 10Gbps.

Custom configurations are available providing the most comprehensive mixed signal, single system solution on the market. Contact MultiDyne to learn what is possible.

CUSTOM TAILOR A FIBERSAVER SOLUTION

Configurator Tool Available at
↗ https://configurator.multidyne.com/launcher

FSCu versions have both Fiber and Coaxial connections and FS versions have just Fiber. Both types can be used together to build the ideal system.

FEATURES

- Turns Digital Optical Signals Into CWDM
- Optical Only Versions & Coaxial Optical Versions Available
- Up To 18 Optical Signals or Up To 18 SDI Video On 1 fiber
- 3G, 10G, 12G, & 25G Versions With Optional Support For 1 & 10 GbE
- Per-Channel Front Panel Status Display
- Regenerates/Amplifies Optical Signals
- Optional Redundant Power Supplies
- Auto-Fail Over To Coax Input
- Easy Access to Installed Fiber Infrastructures
- Extends Useful Life of Legacy Fiber Equipment
- Faster Set and Strike With Fewer Cables

MARKETS & APPLICATIONS

- RENTALS - OB PRODUCTION - SPORTS BROADCASTING - REMOTE STUDIOS - CORPORATE A/V - RECLAIMING EXISTINGFIBER & GEAR - TAKE ADVANTAGE OF STADIUM AND CAMPUS FIBER - REPLACES NEED - FOR WAVELENGTH SPECIFIC SPARES IN CWDM APPS - USE WITH SMPTE-HUTS TO EXTEND UP TO 9 SMPTE CAMERA CHAINS OVER 1 FIBER

Crescendo Series

C16-AM-12G | 1RU 16 Channel Embedded Audio Monitor

The CRESCENDO C16-AM-12G is a compact and lightweight 1 RU 16 Channel SDI embedded audio monitoring system that provides visual and aural monitoring of all 16 channels of audio from 12G/3G/HD signal. Optional hardware upgrades include Dante and ST2110-30/AES67 network audio support.

Two LCD color displays on the front panel display the audio levels on 16 bar graph VU/PPM meters and simultaneously provide ITU1770-3 loudness measurements. Additionally SDI signal status, group audio prescence and a reset timer for the LKFS meter are also visable on the display.

With simplicity in mind the C16-AM-12G has been designed with an intuitive user interface to allow for easy access to the signals you need to monitor. Twelve illuminated pushbuttons provide intuitve audio channel source selection and L/R Solo, SUM, and Lt/Rt Downmix modes directly from the front panel.

A military spec rotary shaft encoder is used to provide volume control with a unique push to mute speaker function. Also located on the front panel is a 1/4" jack for use when headphones are required. The C16-AM12G internal speakers are muted once a headset has been plugged in.

The rear panel allows for two 12G/3G/HD-SDI inputs and provides two reclocked SDI outputs. Optional SFP Fiber in. Two balanced stereo analog XLR audio outputs can be used to drive a set of studio grade powered speakers, and a 3.5mm stereo jack and 500mA USB port to power a wireless bluetooth adapter are also provided.

Three RJ45 connectors provides ethernet connections as well as 1gb network SFP support to connect the C16-AM-12G to the web GUI, openGear Dashboard software, or REST API to allow access to loudness measurement settings, software updates, and remote monitoring.

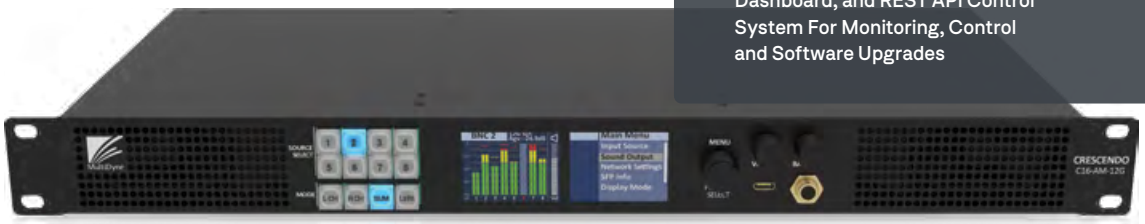
The C16-AM-12G is powered by an external power supply included with the unit. A secondary power supply connector is provided for those applications where an optional redundant power supply may be desired.

FEATURES

- 2 × 12G/3G/HD Inputs With Integrated 16 Channel De-embedder
- Dante, or ST2110-30/AES67 network audio support
- 1 × SFP slot for 12G/6G/3G-HD/SDI Video SFP or 1GbE
- 8 balanced analog input channels, DB25 TASCAM compatible connector
- Reclocked SDI Output
- HDMI Monitor Output
- High Power Class D Stereo Audio Amplifier
- Onboard 5.1 Surround Sound Lt/Rt Downmixer
- ITU1770-3 Loudness Level Display, With Full 16 Channel Monitoring Display
- Redundant Power Supply Option
- Headphone, Analog, and power for Bluetooth Audio Outputs
- asy Audio Source and Mode Selection
- Ethernet Connection to Web GUI, Dashboard, and REST API Control System For Monitoring, Control and Software Upgrades

APPLICATIONS

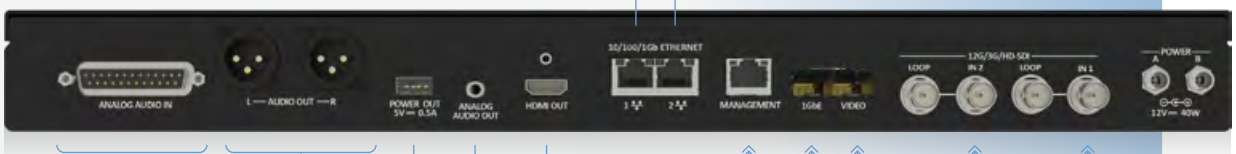
- BROADCAST
- MOBILE PRODUCTION TRUCKS
- MASTER CONTROL/CER
- CONFIDENCE MONITORING



Rear panel

Dante Network 1 ST 2110-30 AES67

Dante Network 2 ST 2110-30 AES67



8× Analog Audio In

XLR Stereo Out

USB A 5.0 VDC

3.5 mm Stereo Out

HDMI out

DashBoard / API

1GbE SFP

12G/3G-HD SFP

12G/3G/HD-SDI

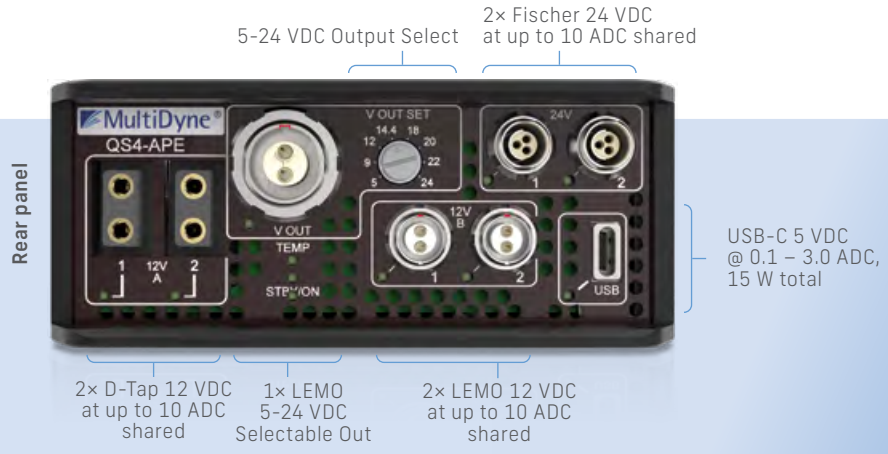
12G/3G/HD-SDI

MultiDyne

QS4-APE

Throwdown Power Extension With Optical Pass Through

The QS4-APE model is a versatile "throw-down" unit providing a selectable 5 VDC, 9 VDC, 12 VDC, 14.4 VDC, 18 VDC, 20 VDC, 22 VDC or 24 VDC main output via a LEMO EEG.2B.302. CLL connector for general applications, as well as multiple accessory outputs: 2, D-Tap/P-Tap 12 VDC outputs; 2, LEMO EEG.0B.302. CLL connector 12 VDC outputs; 2, Fischer DBP 102 A052-139 connector 24 VDC outputs and a "power only" USB-C port to operate and charge devices such as cell phones, computer tablets etc. with up to 15 WDC available power.

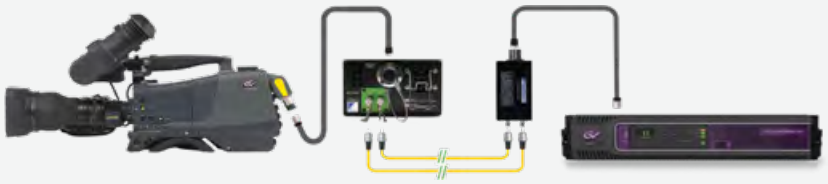


FEATURES

- SMPTE 304M Standard
- Operate Cameras on Plain Single Mode Fiber
- Take Advantage of Installed Fiber Backbones
- Extend Distance Without Sacrificing Performance
- Carry Less Hybrid Cable
- Choice of Optical Connectors
- Can Provide Power for Cameras Up to 3km
- Supports Camera Chains from Sony, Grass Valley, Panasonic, and more
- Works with Optional Optical Repeater/ Remapper FiberSaver
- Standard Remote Camera Shut-Off
- Rugged Design
- Designed and Manufactured in the USA

HUT-APE

Extend Camera Chains Beyond SMPTE Cable Limitations Via Standard Single Mode Fiber



Rear panel

CONNECT ANYWHERE EASILY

The plug and play system allows camera chains to connect via a facility's fiber infrastructure or on tactical fiber cable in the field using industry-standard connectors, such as STs, LCs, SCs, or OpticalCON. The HUT system works by "spoofing" (or "tricking") the camera and CCU into seeing a physical copper connection between them when connected only by single mode fiber cable.

LOCAL OR REMOTE POWER

After a long run of single mode fiber, HUT-enabled camera systems can be configured in one of two ways:

1. Power the camera with the HUT-APE with up to 3km of hybrid cable. Power is sufficient for hand-held cameras or cameras installed in sleds with long lenses and other high-power accessories.
2. Power the camera locally and use the HUT-CS.

ROUTE AND MULTIPLEX CAMERAS

Once the hybrid cable is removed, a camera chain can be easily routed through optical routers or used with MultiDyne's FiberSaver systems to multiplex up to nine cameras onto just one strand of a single mode fiber.

USE LESS FIBER WITH FIBERSAVER

While passive to the camera chain optics, the HUT-APE can be used with the MultiDyne line of FiberSaver wavelength shifting muxes.

- Multiplex a camera chain onto a single fiber strand
- Boost the optical range
- Remap the camera & CCU optics to different wavelengths

Rugged case

APPLICATIONS

- REMOTE BROADCASTING
- SPORTS PRODUCTION
- SHARED CONTROL ROOMS
- CAMPUS FACILITIES
- ARENAS AND STADIUMS

SEE OTHER PRODUCTS IN THE SMPTE-HUT SERIES

https://www.multidyne.com/category/smpte-hut-series.html

The HUT-APE system frees camera chains from the limitations of hybrid copper and fiber cabling permitting cameras to be separated from their CCUs by distances of over 10km using inexpensive, conventional single mode fiber. This has many advantages over SMPTE hybrid cable including:

- Eliminating RF, EMI and grounding issues
- Faster set and strike times saves time and money
- Reduced weight makes for lighter OB trucks, B-units and cable shipments

Hut-Ape Camera Support

MultiDyne	SilverBack-APE: Advanced Power Extension adapter with multiple power outputs. Can be matched with any Camcorder or Cine cameras from any manufacturer. Attaches to a battery plate, on the back of a camera, from IDX or Anton Bauer
Grass Valley	Focus or LDX cameras
Sony	HDC-1K/2K/3K/4K/5K series camera chains with SMPTE fiber connections
Panasonic	AK-PLV100, AK-HC3900

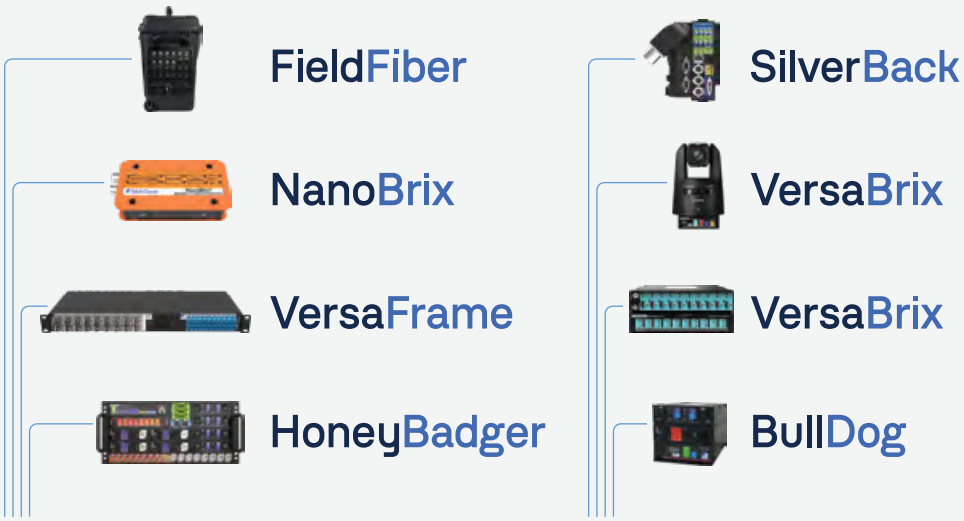
OG-7700/7800 Series

12Gbps Video, Audio, Data Fiber Transport

The OG-77/7800 series of modules for the openGear platform provides flexibility for all fiber transport needs. Signals are transported uncompressed and unprocessed from maximum signal integrity. Included signals are 12G SDI, audio, data, Ethernet, and reference, all compatible with the industry-standard openGear platform offering SNMP management via Dashboard software.

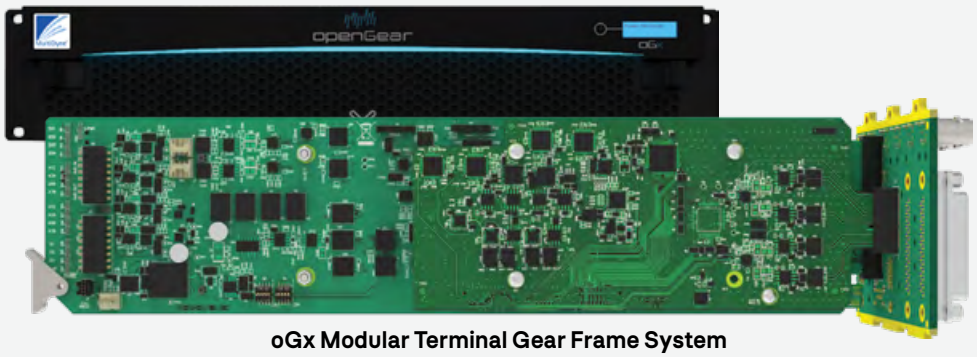
FOR 3G SDI SIGNAL REQUIREMENTS THE OG-7700 SERIES ARE AVAILABLE

OG-7800 Series Multi-Platform Cross-Compatibility



APPLICATIONS

- STUDIO LINKS
- SIGNAL TRUNKING
- SIGNAL DISTRIBUTION
- CAMPUS INTERCONNECTS
- TRANSMISSION LINKS
- TELCO CIRCUITS
- OUTSIDE BROADCAST "B-UNIT" INTERCONNECTS



oGx Modular Terminal Gear Frame System

FEATURES

- Up to 4× 12G SDI
- 8×8 Audio Line/AES
- Genlock
- Time Code, GPIO, Data
- Ethernet

MultiDyne

MDoG-6060 Series

ST2110-20 Encapsulator / De-encapsulator

NAB SHOW PRODUCT of the YEAR 2024

BEST OF SHOW 2024 tvtech WINNER

BEST OF SHOW 2024 TVB EUROPE WINNER

APPLICATIONS

- LIVE MULTICAM TO ST-2110
- IP & SDI ISLAND I/O
- JPEG-XS ENCODING & DECODING
- LIVE PRODUCTION ENVIRONMENTS

The MDoG-6060 Series from MultiDyne provides SDI to ST2110 encapsulation and ST2110 to SDI deencapsulation for the award winning openGear platform.

The MDoG-6060 series of gateways provide multichannel and bi-directional conversion between SDI and ST2110. Several models are available ranging from 3×3 3G-SDI using dual 10 GbE SFP to 6×2 3G-SDI using dual 25 GbE SFPs with full support for ST2022-7 hitless redundancy.

Each channel processes 1 video, 16 audio, and 1 ANC data flow and SDI inputs are frame synced before encapsulation. The MDoG-6060 series uses NMOS for in-band control and configuration, while remote monitoring and firmware upgrades are handled through the openGear DashBoard application.

For applications where TR-08 JPEG-XS compression is required please refer to the MDoG-6061 Series.

SUPPORTED SIGNALS

MDoG-6061-2x0-4K-10G

MDoG-6060-2x0-4K-25G

MDoG-6060-2x2-HD-25G

FEATURES

- Built-in Frame Syncs
- In-Band NMOS Control
- ST-2022-7 Failover
- Input Loop & Dual Output
- JPEG-XS Upgradable
- Dual 25GbE SFPs
- Remote Control Monitoring Via DashBoardTM Software

MultiDyne

NanoBrix

NB2-12G-HDMI
12G/6G/3G/HD
to HDMI 2.0 Converter

Electrical Panel

Optical Panel

FEATURES

- Excellent Value
- Compact Size
- Rugged Steel Enclosure
- Highest of Quality Components

APPLICATIONS

- LIVE BROADCAST
- ARENAS AND STADIUMS
- SHARED CONTROL ROOMS
- CAMPUS FACILITIES

The NB2-12G-HDMI accepts a single link SDI input ranging from SD up to 12G-SDI with a reclocked SDI output to feed downstream equipment

Ideal cost-effective monitoring solution to display professional 12G-SDI signals on LED monitors with HDMI 2.0 inputs. In addition, the unit provides external audio outputs that can be routed to powered speakers. Audio outputs are DIP switch selectable to be either a stereo pair or a Lt/Rt multichannel downmix allowing for 5.1 audio to be mixed down to stereo, providing a comprehensive audio and video monitoring solution in a compact and rugged form factor.

Optional fiber SFP equipped models are available including the NB2-12GHDMI-OE-LC receiver, which can receive an SDI signal over distances up to 10KM on a single LC fiber connector. The NB2-12G-HDMI-OO-LC provides both an input and regenerated fiber output on a duplex LC fiber connector. And finally, there is the NB2-12G-HDMI-OE-ST which accepts an SDI signal on a single ST fiber connector.

Power to the unit is provided by an AC adapter with a locking DC power connector. Backup power and firmware updates are possible using the USB-C connector.

NBX | ORIGINAL MULTIDYNE'S NANOBRIX SERIES

Ensures that the many stages of the signal lifecycle are reliably addressed within one complete product family. NanoBrix offers a comprehensive product line of miniature, rugged, quick-connecting throwdown solutions for temporary or permanent applications, including live TV productions, sporting venues, and broadcast facilities.

NBX V1.0 SERIES INCLUDES

- 3G / 12G FIBER EXTENDERS
- 12G & MADI DAS
- HDMI CONVERTERS
- AUDIO DAS
- EMBEDDERS & DE-EMBEDDERS
- AUDIO DOWNMIXERS

NB2-10G-TRX

10G Ethernet Transceiver with Optional PoE++

Ethernet Panel

Optical Panel

PORTABLE BY NATURE

The NanoBrix also features a magnetic strip for quick mounting to the side of a rack or stacking with other units in the NB2 family

The NB2-10G-TRX provides a cost-effective miniature solution to extend 10G Ethernet signals over fiber optic cable.

On one side of the unit a standard RJ45 connector provides the 10G copper interface while the SFP is plugged into the opposite side. A green power LED is illuminated when power is detected at the input. Two blue LEDs are also available to indicate network presence for either 100M/1G or 10G connections.

The SFP's are sold separately and allow for standard 1310 nm, WDM 1270/1330 nm, all 18 CWDM available wavelengths for single mode fiber and 850nm for multimode fiber.

For applications where ST connections are required the NB2-ST-ADAPTER converts the SFP to 1 ST connector. In this configuration WDM SFP's are required.

For applications where POE++ is required the NB2-10G-TRX-POE comes with a 56 VDC power supply allowing for up to 90-Watt output on the RJ45 to power external devices.

The NB2-10G-TRX can be outfitted with Single mode SFP's reaching cable distances up to 10KM or up to 300 Meters with Multimode SFP's and cable installed.

ⓘ A 19" RACK IS AVAILABLE

SilverBullet

Mini 12G HD/SDI Fiber Optic Link

For Fixed Links or Last Minute SDI Feeds

The SilverBullets are an economical solution for transporting multi-rate SDI signals ranging from 5Mbps all the way up to 12Gbps over single mode fiber. At just three inches in length, the SilverBullets are perfect for a wide variety of professional A/V and broadcast applications.

The rugged, diecast powder coated aluminum enclosure supports the popular metallic ST-type optical connector and the SDI video connector is on a standard full size BNC. Power (5-16 VDC) is supplied using an AC Adapter with a locking DC connector that eliminates any possibility of the power cord accidentally becoming unplugged.

Integrated LEDs make troubleshooting easy with DC power and optical laser indications on the transmitter. The receiver has DC power and optical power indicators. Not only can your RX unit receive SDI signals, it can also be used as a confidence optical power meter for ANY digital optical signal.

Auto sensing inputs provide robust cable equalization and reclocking on SDI signals. When ASI is detected the reclocking is turned off to allow for transmission of ASI signals.

Although the SilverBullets are small in size, this does not mean they can't handle long links. With an optical launch power of -3dBm for standard units (0 dBm for CWDM units) and receiver sensitivity to -14dBm @ 12G, and -18dBm @ 3G make fiber runs of 25km or more possible with optical power to spare.

SilverBullet transmitters can also be ordered in any of the 16 available CWDM wavelengths in order to facilitate optical multiplexing. Each pair of SilverBullets comes packaged in a convenient case with 100-240VAC input wall-mount power supplies. For instances when you want to power your units from your camera battery, optional D-TAP, or USB-A, USB-C cable adapters are available.

THE NEXT TIME YOU NEED JUST ONE MORE FEED TEN MINUTES PRIOR TO AIR, YOU'LL BE GLAD YOU HAVE THEM

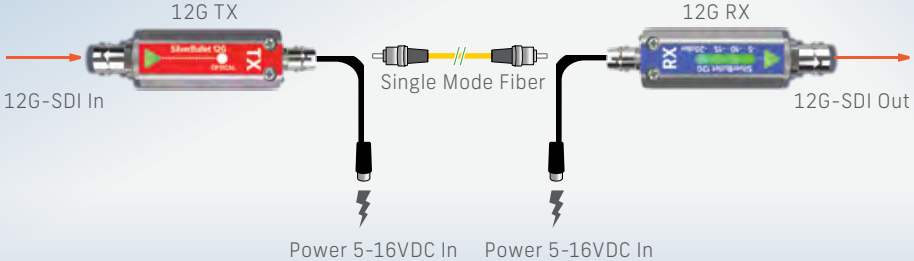
FEATURES

- Fiber Transport From 5Mbps to 12Gbps
- 16 CWDM Wavelengths Available
- Supports SMPTE 310M, 259M, 344M, 292M, 424M, 2081-1M, 2082-1 & DVB-ASI
- Equalizes 75m @ 12G, 200m @ 3G, of Gepco VSD2001 or Belden 1694A Cable
- Supports Embedded Audio and Data
- Monitor Optical Power Level at RX
- Re-clocking
- Single-mode Fiber Recommended
- ST Optical Connector
- Small, Rugged, Portable
- Stand-Alone or Rack Mounted
- Power Supplies and Convenient Case Included
- International AC Adapters Included
- One Year Warranty

APPLICATIONS

- SPORTS PRODUCTION
- REMOTE CAMERA LINKS
- DISTANCE LEARNING
- OB VAN INTER-CONNECTS
- PRE-FIBERED VENUES
- COURTESY FEEDS

APPLICATION & USAGE



MultiDyne

Warranty and Technical Support Information

Products manufactured or sold by MultiDyne Video & Fiber Optic Systems are warranted to be free from defects in material and workmanship. Complete warranty information and conditions may be found in our detailed Warranty Statement.

MultiDyne products are warranted to be free from defects in material and workmanship for a period of three (3) years from the date of delivery to the original purchaser.

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