heynen ●●●●

Heynen works for innovators

(((ViA)))

(((ViA)))

2016 BEST of SHOW RADIOWORLD

BEST of SHOW RADIOWORLD INTERNATIONAL EDITION 2016

| USB Cellular | Wi-Fi 802.11 a/b/g/n | IPv4 IPv6 | SIP | ISDN | POTS |

Join the #ViARevolution

www.tieline.com

Tieline®
The Codec Company

ViA Portable Remote Audio Codec (TLF5300)

It's time to reimagine remote broadcasting with the definitive remote codec of our generation. Tieline's revolutionary new ViA portable codec sets a new standard in wireless remote broadcasting and will fundamentally change the way you perform live remotes.

Picture yourself or an announcer taking your codec to a remote site, powering it up and tapping a single button on a color touchscreen to get connected – just like making a phone call. Wouldn't it be great if remotes were that simple? Well now they are – with ViA.

Flexible Connections

ViA delivers all the flexible transport options you would expect from a professional codec. Select wired or wireless IP options, or choose to connect over ISDN or POTS.

Intuitive Interface

At its core, ViA is controlled by a 4.3 inch color touch screen with menus designed to provide a familiar and intuitive user experience, similar to using a smartphone. Navigate and configure settings via the touch screen, or use front panel navigation buttons – the choice is yours. Brightness and adaptive light-sensor controls ensure the screen is readable in even the toughest light conditions.

Power on the Go!

ViA comes with a rechargeable Lithium-ion smart battery which delivers superior performance with up-to 6 ½ hours* of broadcast time. Extend battery performance with features such as configurable screen sleep time-out, screen brightness controls, plus automatic low battery power saving measures.

Wi-Fi Remotes on the Go

Built-in Wi-Fi and web browser connectivity expands your connection options from access points in hotels, fast food chains, or even a smartphone's Wi-Fi hotspot. Use the touch screen to add Wi-Fi access points in seconds and stream program audio or your IFB circuit. Plus it's fully compatible with SmartStream PLUS and Fuse-IP. That's true flexibility.

Dual Cellular USB Modems

ViA supports a variety of pre-tested cellular USB modems out of the box. Simply insert a modem into a USB port and you're ready to go live in seconds! Bond data from multiple modems with Fuse-IP, or use two modems with SmartStream PLUS for dual redundant streaming. Check our website for updates on supported modems.

Simplify use with Admin and Basic modes.

Restrict user access to complicated network settings and take the hassle out of broadcasting forever. An administrator can configure 'Basic Mode' to simplify operation and present a subset of menus suitable for non-technical users. Configure the codec to automatically power-up in basic mode, then tap a program to go live in seconds.

Network bonding with Fuse-IP

Use our proprietary Fuse-IP bonding technology to aggregate data from multiple IP transports such as LANs, cellular modems or Wi-Fi, and increase connection bandwidth. This improves connectivity, quality and redundancy.

*Battery life may vary depending on the type of connection and power-saving mode configured

Remotes without limits

Our mission is to empower you with the technology to go live where no broadcaster has been before, and make it simpler. To achieve this, ViA delivers more IP choices and backup options than ever before.

Connect using dual LAN Ethernet ports, or 2 USB modems, or use the on-board Wi-Fi module to connect over Wi-Fi. Insert an optional POTS or ISDN module and the codec is instantly transformed to connect over alternative network transports. This means you can configure primary and backup connections over different network transports as required, or use them as your IFB circuit.

Fuse-IP and SmartStream PLUS

With Tieline's proprietary Fuse-IP data aggregation technology you can bond multiple IP interfaces you choose, including options like:

➤ 2 USB modems, or

➤ On-board Wi-Fi, or

➤ Dual Ethernet LAN Ports.

Imagine the peace of mind knowing you can bond 2 USB modem data links from different Telcos and let Tieline's Fuse-IP technology automatically manage the data capability of each link! Tieline understands flexibility is paramount for remotes, so you can even bond a USB modem with a Wi-Fi connection, or bond Ethernet connections.

ViA also includes Tieline's SmartStream PLUS dual redundant streaming software, which has set the benchmark for redundant IP streaming over the public internet. Some manufacturers charge thousands of dollars for IP management software like SmartStream PLUS as an optional extra, however Tieline believes high performance and rock-solid reliability is an essential part of each and every broadcast, so you get it for FREE!

Nobody likes a traffic jam, least of all broadcasters dealing with IP packet congestion! With Tieline's SmartStream PLUS and Fuse-IP technologies, as well as automated jitter buffer management and error correction strategies, you can be assured of trouble-free motoring on the information superhighway!
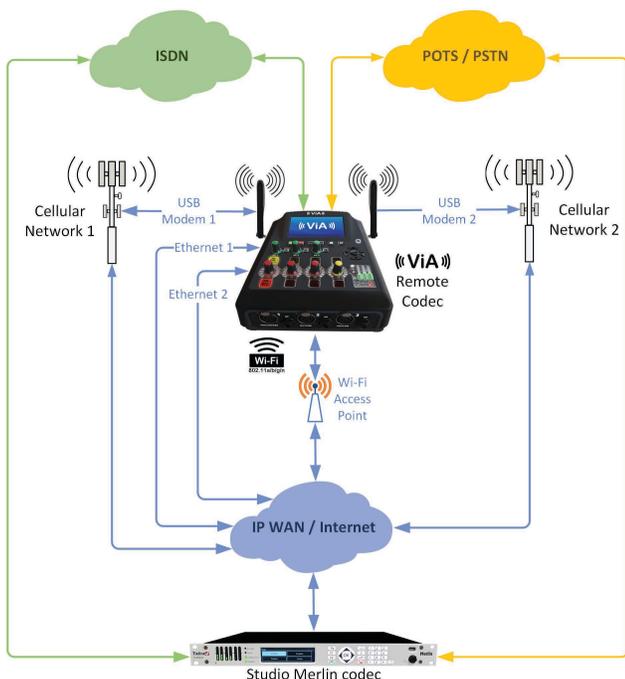

Program and Communications

ViA seamlessly integrates with Tieline's Merlin and Merlin PLUS audio codecs to transmit high fidelity, full duplex stereo program audio with a separate bidirectional IFB circuit. As an example, you could use a USB data modem to broadcast your main program feed and another USB modem or Wi-Fi to transmit your IFB circuit. Now that's flexible!

Join the #ViARevolution

For more information visit www.tieline.com/via and follow the #ViARevolution @Tieline on Twitter, or on our Facebook page, and be first to learn about release dates and new features.

Input/Output Specifications

Analog Audio Inputs	3 x Female XLR mic / line inputs
Analog Audio Outputs	2 x Male XLR
AES3 In (via input 1)	1 x female XLR (Channel 1 in; shared with Ch1 analog input & Ch 1 AES42 input)
AES42 (via input 1)	1 x female XLR (Channel 1 in; shared with Ch1 analog input)
Auxiliary Inputs/Outputs	S/PDIF RCA in/out, or micro-USB in/out, or stereo 3.5mm Jack line input
Headphones Out	3 x 6.35mm (1/4") Jacks
Control Port In/Out	Four relay inputs and four opto-isolated outputs via DB15 connector.
Mic Phantom Power	Selectable 10V or 48V phantom power on all analog XLR inputs
AES42 Digital Phantom Power	10V nominal
Input Impedance	High Impedance > 5K ohm (line input); approximately 2K ohm (mic input)
Output Impedance	<50 ohm Balanced
Clipping Level	+22dBu (XLR input and outputs)
A/D & D/A Converters	24 bit
Frequency Response	20Hz to 22kHz
THD and Noise (Analog)	< 0.005% (-86dB) at +16dBu unweighted
THD and Noise (Digital)	<0.0001% (-120dB) at -1 dBFS
Analog Signal to Noise	>90dB at +22dBu, unweighted

Sample Frequencies

Sample Frequencies	8kHz, 16kHz, 24kHz, 32kHz, 44.1kHz, 48kHz

Algorithms

IP	Tieline Music, Tieline MusicPLUS, G.711, G.722, MPEG-1 Layer 2, MP3, LC-AAC, HE-AAC and HE-AACv2, AAC-LD, AAC-ELD, Opus, 16/24 bit Enhanced apt-X Enhanced
IP (uncompressed)	Linear PCM16/24 bit 48kHz sampling

Data and Control Interfaces

USB	2 x USB 2.0 Host ports
LAN	2 x Gigabit Ethernet ports
Advanced Networking	VLAN tagging (IEEE 802.1Q,802.1p)
Serial	RS232 up to 115kbps with or without CTS/RTS flow control via female DB9 connector, can be used as a proprietary data channel
Protocols supported	DHCP, SNMP, DNS, HTTP, IGMP, IPv4/v6, SIP (EBU N/ACIP Tech 3326 compliant), RTP, RTCP
ISDN via module	Optional via module slot
POTS via module	Optional via module slot
Wi-Fi	IEEE 802.11 a/b/g/n with dual band support (2.4 and 5 GHz)

Front Panel Interfaces

Display	4.3 inch TFT Color LED with touch screen
Navigation	Touch screen or 5 button keypad

General

Dimensions	5 5/16" x 3 1/4" x 7 7/8" 135mm (W) x 80mm (H) x 200mm (D) including rear connectors
Weight	1.62 kg (with battery)
Power	Li-ion internal battery or External 12VDC 3A Power Supply.
Operating Temp	0°C to 40°C (32°F to 104°F)
Humidity Operating Range	15% ≤RH ≤80% (0 to 35°C/32°F to 95°F), non-condensing

Battery

Battery	Rechargeable Li-ion battery pack RRC2057; 7.5 V, 6.4 AH, 8A; Fast charging; 240g
Battery Operation	Up-to 6.5 hours *
Battery Storage Temperature	Max: -20°C to +50°C (-4°F to 122°F) Recommended: -20°C to 25°C (-4°F to 77°F)
Battery Charge Time (inside codec with power supply attached)	Charge time with maximum charge current < 4hrs at 25°C
Battery Life Expectancy	Minimum 300 charge/discharge cycles as per manufacturer's charge/discharge specifications

*Battery life may vary depending on the type of connection and power-saving mode configured

USB host port 1 | RS-232 (DB9) for serial device control | S/PDIF in/out via RCA connectors | Gigabit RJ-45 Ethernet ports | GPIO Control Port: 4 inputs and 4 opto-isolated relay outs

Stereo line input via 3.5mm (1/8") TRS connector | Balanced stereo XLR outputs 1 and 2 | USB audio in/out via micro USB connector (Type-B) | USB host port 2

Extensive dealer network with global telephone support in 2 strategic locations around the world

Americas
Tieline America LLC
7202 E. 87th Street, Suite #116,
Indianapolis, IN 46256 USA
Direct Ph: 317-845-8000
Fax: 317-913-6915
E-mail: sales@tieline.com

International
Tieline Pty Ltd
1/25 Irvine Drive
Malaga, WA. 6090 Australia
Ph: +61(0)8 9249 6688
Fax: +61(0)8 9249 6858
E-mail: info@tieline.com

Tieline®
The Codec Company

heynen

Heynen werkt voor vernieuwers

Hierbij een document van Heynen. Deze producten worden door ons exclusief vertegenwoordigd in de Benelux. Voor een demo of offerte kan u rechtstreeks contact opnemen met onze account managers.

Heynen travaille pour des innovateurs

Voici un document de Heynen. Nous représentons ces produits exclusivement pour le Bénélux. N'hésitez surtout pas de demander votre personne de contacte pour un démo ou une proposition de prix.

Heynen works for Innovators

Here is a document from Heynen. We represent these products exclusively for the Benelux. Please contact our account managers for a quotation or demonstration.

Heynen Leistung für Neuerer

Anliegend eine Dokumentation von Heynen. Wir haben die exklusive Vertretung dieser Produkte für den Benelux-Raum. Bitte nehmen Sie Kontakt auf mit unserem Kundenbetreuer, falls Sie ein Angebot oder eine Vorführung benötigen.

heynen@heynen.com • www.heynen.com •