

Features

- Bidirectional video conferencing appliance – ships as a pair
- Input: Choice of front or back camera with preview
- Features DOZER™ automated UDP Packet recovery protocol
- Output: One encoded output up to 720p 60
- Records and streams at the same time
- Encoding bit rates: .1 to 15 Mbps
- IP output protocols: UDP, RTP, DASH, HTTP Live (HLS), RTMP (Open Flash)
- Touch GUI and Web-based GUI for network and streaming setup, manageable from anywhere – includes some scheduling
- Customizable touch GUI for corporate needs and API's available
- Optional single SDI/HD-SDI or HDMI input with Magewell™ USB adapter
- Supports H.264 High Profile @ Level 4.0 (HP@L4)
- Supports 720p, 576i, 480i, 480p, CIF, QCIF, qHD and many other custom resolutions
- Support for Variable Bit Rate (VBR) encoding maximizes adaptive streaming video quality and bandwidth efficiency
- Encrypts all traffic with AES 128
- Security scanned for vulnerabilities
- SNMP, REST, SOAP support for customization, remote management, and monitoring

Summary

Tablet based real time video conferencing appliance for cost effective video communications over poor or congested public or private internet connections. Thanks to DOZER™ ARQ, this unit will work over unconditioned lines such as public internet. It has been field tested in countries such as Bangladesh, Nigeria, South Korea, and Nigeria.

The TabletGreeter ingests and outputs directly to the screen. The IP outputs can be scaled to any resolution up to 720p 60. Other solutions provide low resolution video at less than 500 kbps. The TabletGreeter generates full HD streams of up to 15 Mbps. The system ships as two Surface tablets.

Provides end-to-end latency of 1.2 seconds. Designed to conduct secure HD quality meetings and interviews with anyone around the globe with built-in reliability.

Provides picture in a picture view for output quality monitoring. The large picture shows who you are speaking with, and the small picture shows what they see from your side.

Overview

Video conferencing via streaming technologies can offer significant savings in platform cost (CAPEX) and operating expenses (OPEX). In addition, DVEO now incorporates our DOZER™ packet loss correction technology. Packet loss is the breakup symptom that Skype™ shows since it does not incorporate our DOZER technology. Latency is a small drawback since the DOZER induces 100 milliseconds extra delay. Our typical end-to-end latency is 1.2 seconds.

These units were created to provide solutions for broadcasters, telemedicine, and industrial users who need small, low cost, and high quality video conferencing solutions.

Applications

- Continuous telepresence via public internet
- Multi campus churches
- Interviewing people
- Multi-location education



Computer Modules, Inc.

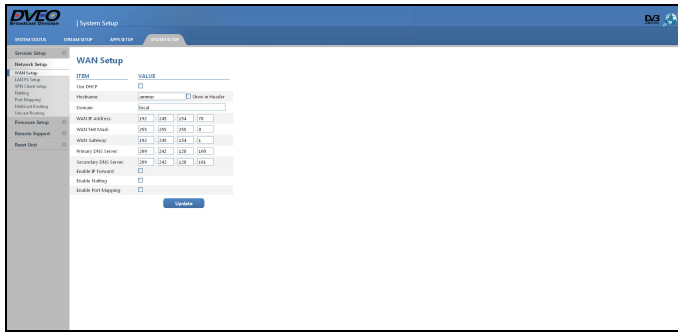
11409 West Bernardo Court

San Diego, CA 92127

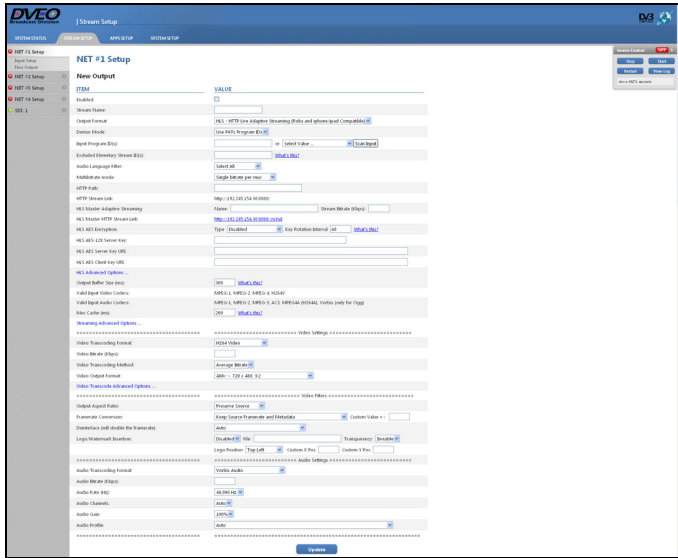
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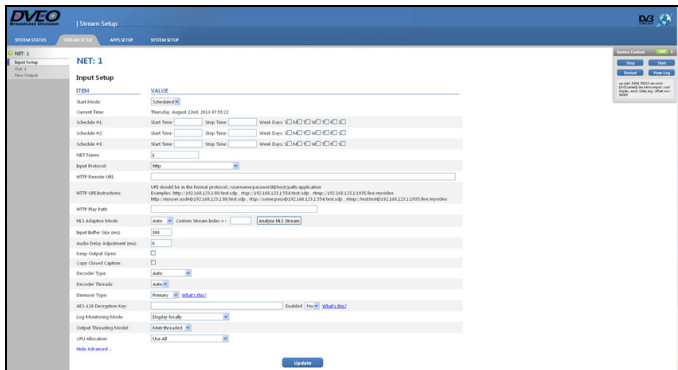
Sample of GUIs



Network Setup



IP Output Setup



Scheduled IP Input Setup

Specifications

Input – Built-in Cameras

Cameras:	Two 5 megapixel 720p cameras, one front, one back
Microphones:	Noise-cancelling microphones
Speakers:	Stereo speakers with Dolby® enhanced sound

IP Output

Outputs:	One encoded output up to 720p 60
Audio Output:	AAC, MPEG Audio, or AC-3
Output “wrappers”:	UDP, RTP, DASH, HTTP Live (HLS), RTMP (Open Flash)
Type:	IP-multicast, IP-unicast with "wrappers"
Bit Rates:	Up to 15 Mbps
Quality:	8 bit encoding with 4:2:0 color sampling
Video:	NTSC or PAL
Latency:	1.2 seconds
Encryption:	AES 128

Administration

Access:	Web interface, SSH (Secure command line interface)
SNMP:	Monitoring and alerts
Scheduling:	On, Off support for timeslots

CPU and Operating System

CPU:	Microsoft Surface Pro 3 Intel Core i7
OS:	DVEO embedded Linux® on SSD
Memory:	TBD
Hard Drive:	TBD

Physical & Power

Screen Size:	12 inches
Screen Resolution:	2160 x 1440 pixels
Wireless Type:	Wi-Fi (802.11ac/802.11 a/b/g/n) Bluetooth®4.0 Low Energy technology
Size:	7.93 x 11.5 x 0.36 inches (L x W x H) 201.3 x 292 x 9.2 mm (L x W x H)
Power Source:	AC & Battery
Battery Life:	3 hours of streaming
Voltage:	120 volts
USB 3.0 port	Includes USB 3.0 port for external add-ons
Weight:	1.75 lbs. (798 grams)
Conformities:	FCC, CE, RoHS

Security

Ports security scanned to MIL requirements prior to shipment
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Optional Inputs

Video:	Optional single SDI/HD-SDI or HDMI input with Magewell USB adapter
Audio:	SDI or HDMI Embedded

Ordering Information

TabletGreeter – two Surface Tablets



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