VideoFlow

VideoFlow

Broadcast With **CONFIDENCE.**

VideoFlow
Company Profile

VideoFlow

WHO ARE WE

Field-Proven Industry Leader

VideoFlow was founded in 2010 by veterans in the professional broadcast industry. The team includes both video and IT specialists with a profound understanding of professional broadcast technology and business requirements. With the understanding that service continuity is just as important as video quality, the company introduced a novel solution for both video quality and service continuity over any IP network.

VideoFlow products feature patented technologies for bit rate adaptivity, path diversity, and disaster recovery, as well as confidence monitoring and real-time statistics that let you broadcast with confidence.

WHAT DO WE DO

Enabling Broadcast with Confidence

VideoFlow is driving the evolution of digital video contribution and distribution to IP networks.

Leveraging our Emmy® award-winning technologies, VideoFlow products and solutions enable professional broadcast companies, including TV stations, TV station groups, teleports, and cable operators to broadcast live with confidence over any IP network, including over the internet.

Leading professional broadcast companies worldwide are using VideoFlow products to transport live video over unmanaged IP networks:

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Awards & Patents

VideoFlow won the 2018 Emmy® award for its technology innovation and its contribution to the broadcast industry and is a significant contributor to the Video Service Forum (VSF) RIST workgroup.

The company holds five patents in the area of live broadcast over IP:

US Patents

1. **Media stream rate reconstruction system and method (Patent # US 9,647,951 B2)**
   Essential for accurately playing the packets at the receiver to avoid loss of service.

2. **Packets recovery system and method (Patent # US 9,641,588 B2)**
   Recover all lost data with very low overhead and the lowest delay on the market.

3. **Controlled adaptive rate switching system and method for media streaming over IP networks (Patent # US 9,781,488 B2)**
   This adaptive technology is essential for content contribution.

4. **Adaptive profile switching system and method for media streaming over IP networks (Patent # US 9,565,482 B1)**
   Assure the highest video quality to each receiver independent of the other receivers using transport protocols for professional broadcast (UDP/RTP).

5. **Adaptive Forward Error Correction (FEC) System and Method (Patent # US 9,577,682 B2)**
   Enables building an overhead-efficient multicast broadcast network (e.g., 5G) where multiple receivers can benefit from a single receiver request to recover lost packets.

ROW Patents

1. **Media stream rate reconstruction system and method (Patent # IL 217304)**
   Essential for accurately playing the packets at the receiver to avoid loss of service.

2. **Packets recovery system and method (Patent # IL 217306)**
   Recover all lost data with very low overhead and the lowest delay on the market.

3. **Adaptive Forward Error Correction (FEC) System and Method (Patent # IL 217307)**
   Enables building an overhead-efficient multicast broadcast network where multiple receivers can benefit from a single receiver request to recover lost packets.

WHY VIDEOFLOW

Broadcast with Confidence over Any IP Network

The combination of customer-centric vision and patented, award-winning technologies makes VideoFlow the ultimate choice for you.

Multi-tool products

VideoFlow develops products to solve specific industry problems. Our products integrate what you need with what you had always dreamed of. These include confidence monitoring, path diversity, disaster recovery, real-time bit rate adaptivity integrated firewall, encoder, transcoder, and Demux, ASI and SDI interfaces, among others.

Customer-centric

As veterans in the professional broadcast industry, we appreciate what's at stake when you decide on video delivery over IP. VideoFlow will make sure you're a hero, supporting you through every project stage for a successful outcome.

More than customer support

We understand that being off-the-air for 30 seconds is bad, and 24 hours is an eternity. We'll always respond in minutes - not in days - to get you up and running in the shortest possible time.

Leading by example

Continuous R&D investment in developing new capabilities and features that increase the confidence to broadcast over any IP network.

Award-winning innovation

VideoFlow won the Emmy® award for pioneering a reliable transmission method for live contribution and distribution TV links.

Making the industry stronger

A strong broadcast industry is good for VideoFlow's growth as well. VideoFlow is the leading contributor to the VSF's RIST Workgroup and support industry efforts to standardize video delivery over IP. To this end, we have granted the right to use our patented packet recovery technology to all vendors implementing the RIST protocol free of charge.

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OUR PRODUCTS

VideoFlow offers a variety of software options and appliances with pre-loaded DVP or DVG software to fit precisely the operational needs. A solution can be software-only, devices with pre-loaded software, software in the cloud, or any mix.

DVP and DVG Software

VideoFlow's Digital Video Protection (DVP) software and the Digital Video Gateway (DVG) software include the four essential ingredients for broadcasting with confidence over IP networks.

RELIABILITY

Make sure your broadcast is always connected, on air, and reliable by adapting the bit rate in real-time, adding backup links and disaster recovery to ensure no single point of failure video delivery network.

CONFIDENCE

Monitor the streams and network behavior everywhere - from any device with stream health analysis (QoE), network statistics (QoS), and visual video quality assurance.

SIMPLICITY

Save time and reduce the number of truck rolls with remote configuration, analysis, and statistics by connecting in-band to any device in any site.

EFFICIENCY

Everything you need to broadcast with confidence in one compact solution.

Software Options

VideoFlow's DVP and DVG software platforms can run on any computing entity, including in the cloud, as a virtual machine or on a device of choice.

Amazon Web Services (AWS) builder

Install DVP or DVG software on an AWS server. Choose this option to build your cloud-based application. For example, building cloud-based high-quality live video distribution.

Virtual Machine (VM)

Install a VM image file (OVA) to add the DVP or DVG software to your current hardware platform. Choose this option to add the DVP or DVG functionality to a hardware platform.

Software installer

Install the DVP or DVG software on a hardware platform of your choice. Choose this option to run DVP or DVG software on an existing hardware platform.

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Selection of Appliances

VideoFlow offers three families of appliances with pre-loaded DVP or DVG software: Entry Grade Appliances – DVX, Performance Grade Appliances – DVA, and Server Grade Appliances – DVS.

DVX

Either delivering 2 Mb/s or 200 Mb/s, the DVX line of appliances offers three options that vary by bit rate capacity, the number of connections, and the number of streams. It can run either the all-in-one DVP software or the DVG multi-tool software to broadcast with confidence over any IP network, including over the Internet includes both small form-factor and compact 1RU hardware platforms with video over IP interfaces.

DVA

The DVA line of appliances is a compact 1RU form factor hardware platform with the flexibility to combine a multitude of legacy video interfaces options with video over IP interfaces. It can host either the all-in-one DVP or DVG multi-tool software to broadcast with confidence over any IP network, including over the Internet. Either you delivering 2 Mb/s or 2 Gb/s, the DVA line of appliances offers seven options that vary by bit rate capacity, the number of connections, power supply redundancy, and the number of streams.

DVS

The DVS line of appliances is a Supermicro 1RU server hardware platform with the flexibility to combine a multitude of legacy video interfaces options with video over IP interfaces. It can either the all-in-one DVP or DVG multi-tool software to broadcast with confidence over any IP network, including over the Internet. Either delivering 1 Mb/s or 1 Gb/s, the DVS line of appliances offers three options that vary by bit rate capacity, the number of connections, and the number of streams.

WHAT THEY SAY ABOUT VIDEOFLOW

Deutsche Telekom

 "Deutsche Telekom has found VideoFlow's Digital Video Protection (DVP) to be an effective, reliable and affordable means to provide live video over any IP network, be it managed or unmanaged. We have approved the use of VideoFlow for the contribution of TV signals to our master head end. Deutsche Telekom will continue to implement VideoFlow's DVP product as a building block of its video service infrastructure."

Mr. Koen van Benschop - Senior Expert Moving Images Technology

CANAL +

"We are committed to providing our customers with the very best live TV and radio experience. For us, it means high quality and low delay. VideoFlow is a game-changer for us!"

Mr. Orlando Goncalves, Technical Manager, CANAL+ AFRIQUE

Pennsylvania Cable Network (PCN)

"Using VideoFlow's DVP products to distribute PCN programming to our cable headends over IP, we get the same high level of reliability we had with satellite, together with enhanced visibility and insight into network issues."

Mrs. Debra Sheppard, COO, PCN

Lockwood Broadcast Group

"VideoFlow's all-in-one solution for video delivery over IP has helped us optimize our operational efficiency while reducing our hardware footprint."

Mr. Bob Pectelidis, Corporate Director of Engineering, Lockwood Broadcast Group

Ponant

"Sometimes we have the chance that all the work we do in the back-end and all technologies that we deploy in the 'shade' appear in the sunlight. It is the case for VideoFlow's DVP products we use on our vessels linked to our headquarters that allowed PONANT to make the live broadcast of the Super Bowl in Antarctica."

Mr. Jean-Louis Cambert, Chief Information Officer, Ponant