

IVA videoconferencing platform



Russian unified corporate videoconferencing platform

IVA Technologies is a Russian manufacturer of telecommunication equipment and software and is part of the «HiTech» Group of Companies. Solutions based on IVA equipment and software allow you to build a secure, high-performance IT infrastructure of various sizes local and remote desktop.

IVA videoconferencing platform combines all the latest trends in the field of development and functionality that meets the requirements of modern users. The platform can be used for meetings, lectures, surveys, file and message exchange, event planning and recording. The support of video resolution up to 4K Ultra HD provides image of a very high quality.

IVA advantages:

- Fully domestic development
- Fast and convenient technical support
- Simple system installation and configuration
- Fault tolerance
- Conducting conferences through a browser without software installation
- Connecting external participants via links and event IDs
- Mobile app for Android and iOS
- Ability to connect third-party devices
- Participation in conference with telephone
- Ability to simply scale the system
- Support of resolution up to 4K Ultra HD
- Possibility of interface branding

Broad opportunities for unified communications:

- Demonstration of documents, presentations, video and desktop
- Chat rooms in conferences
- Corporate messenger
- Polls and voting
- «Whiteboard»
- File sharing and storage
- Events recording
- Ability to broadcast to third-party sites
- Planning
- Live caption

Different events

- One-time and periodic
- Conferences, selectors lectures and webinars

**Russian manufacturer
of high-tech it equipment
and software**

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Technical features

Video

- VP8, H.265, H.264 Baseline/Main/High profile, H.263, H.263+, H.263++, H.261
- Support of video with resolution:
- 4K Ultra HD (3840x2160)
- Full HD (1920x1080)
- HD (1280x720)
- HD (960x540)
- VGA (640x480)
- SD (640x360)
- QVGA (320x240)
- Ability to control the broadcast of your own video
- Video source change «on-the-fly»

Security

- Connection by individual links
- Password for connection to virtual room/event
- User authorization
- User rights separation
- Traffic encryption (SRTP, TLS, DTLS, AES128, AES256)

Multiplatform

- Infrastructure: VMWare, Microsoft Hyper-V, KVM, Oracle VirtualBox, Xen, x86
- PC: Windows, MacOS, Linux
- Mobile client: Androud, iOS

Control

- HTTP(S), SSH, API

System Requirements

PC

Minimum requirements:

- Processor: at least Intel Core-i3 (for desktop PCs) / Intel
- RAM: at least 2 GB
- Monitor resolution: at least 1024x768
- Camera resolution: at least VGA (640x480)
- Microphone, speakers
- Sound card

Recommended requirements:

- Processor: at least Intel Core-i5 (for desktop PCs)
- RAM: at least 4 GB
- Monitor resolution: at least 1024x768
- Camera resolution: at least HD (1280x720), external connection
- Microphone, speakers or headset, external connection
- Sound card

Operating Systems:

Windows 7/8/10, Mac OS X 10.x, Linux

Browsers:

Google Chrome (72+), Mozilla Firefox (66+), Edge (Chromium), Opera (60+), Safari (13+)

Audio

- Opus, Speex, AAC-LD, G.711 A/μ, G.722, G.722.1 Annex C, G.723.1, G.726, G.728, G.729, GSM*
- Full-duplex communication
- Automatic gain control (AGC)
- HD audio up to 48 kHz
- Audio source chang «on-the-fly»

Content and Collaboration

- Demonstration of presentations and documents in the resolution up to Full HD (1920x1080)
- Video demonstration in the resolution up to Full HD (1920x1080)
- Desktop demonstration in the resolution up to Full HD (1920x1080)
- Group and personal chats
- Polls and voting
- «Whiteboard»
- File sharing and storage
- Events recording and viewing

Language support

- Russian
- English

Protocols

WebRTC, HTTP(S), H.323, SIP, H.239, BFCP, RTMP(S), RTP, SRTP, SMTP (S), SMPP, SNMP, HLS, FTP, TFTP, VNC, Flash

Mobile clients

- Android 5.0 and up on tablets and smartphones IOS 13 and up on iPad 2/3/Air and up, iPhone 7S and up

Server platform

Minimal configuration (up to 16 HD connections):

- Processor: at least Intel Core-i?, 4-th generation
- Memory: at least 16 GB
- Hard disk: at least 160 GB
- Network interfaces: 100 mbps and up

Recommended configuration (up to 50 HDconnections):

- Processor: at least 2xIntel Xeon E5 v4 (at least 12 cores)
- Memory: at least 48 GB
- Hard disk: at least 2 TB
- Network interfaces: at least 1,000 mbps