

Network Configuration

LIVESTREAMING REQUIREMENTS FOR IT DEPARTMENTS

1. Physical Connection

Connection	Wired Ethernet (Cat5e minimum, Cat6/6A preferred) near production/control position
Port config	Dedicated port or VLAN (isolated from guest/public traffic)
Bandwidth	Min: 20 Mbps up/down, Recommended: 100 Mbps up/down, Exclusively reserved
Quality targets	Packet loss <0.1% • Jitter <10ms • Latency <50ms

! Real-time video is extremely sensitive to network instability. Wireless connections (Wi-Fi, mesh, repeaters), powerline adapters, and consumer-grade equipment will cause stream failures. Only wired Ethernet with a stable, dedicated path is acceptable. The bandwidth must be exclusively reserved for the livestream. No other VLANs or users may consume this capacity.

2. Firewall Configuration

2.1. Outbound Ports (Allow)

Protocol	Port(s)	Purpose
RTMP	TCP 1935	Streaming to platforms
RTMPS	TCP 443	Encrypted streaming
SRT	UDP (dynamic)	Low-latency streaming
WebRTC	UDP/TCP 3478+	vMix Call, remote speakers (STUN/TURN)
Bondix Control	TCP 443	bondix.dbvideo.tv (167.99.209.150)
Bondix Tunnel	UDP 44343 --> 44346	bondix.dbvideo.tv (167.99.209.150)
HTTP/HTTPS	TCP 80/443	API, control, remote support

2.2. Domain Whitelist (DNS/Firewall)

Category	Domains
Streaming platforms	*.webble-cast.com, *.webble-up.com, *.vimeo.com, *.youtube.com, *.facebook.com, *.linkedin.com, *.x.com, *.pscp.tv, *.dacast.com
CDN / AWS	*.amazonaws.com, *.cloudfront.net, *.akamai.net, *.akamaized.net, *.fastly.net, *.cloudflare.com
Microsoft Teams	*.teams.microsoft.com, *.skype.com, *.msedge.net, *.microsoft.com
DB Video infrastructure	bondix.dbvideo.tv (167.99.209.150), *.anydesk.com

2.3. Prohibited Features

Disable	Configure
SSL/TLS Inspection (on RTMPS, SRT-over-TLS, WebRTC traffic)	NAT type: Full Cone NAT
Deep Packet Inspection (DPI) and no rewriting	NAT UDP timeout: ≥60 seconds
Web Proxy (forced/transparent)	
SD-WAN dynamic path steering	
Packet-based load balancing	
DNS filtering on media/CDN domains	

3. Quality of Service (QoS)

DSCP marking	EF (46) or AF41 (34)
Priority queue	High/Critical
Bandwidth reservation	50-100 Mbps upload guaranteed
Requirement	Mandatory for enterprise, strongly recommended elsewhere

Questions or issues? Contact - streaming@dbvideo.tv