

DVA

Performance Grade Appliances Datasheet

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.

The DVA can host either VideoFlow's Digital Video Protection (DVP) or Digital Video Gateway (DVG) multi-tool software to broadcast with confidence over any IP network, including over the Internet.

Chose the device that fits your needs exactly. Either you deliver 2 Mb/s or 2 Gb/s, the DVA line of appliances offers seven options that vary by bit rate capacity, number of connections, power supply redundancy, and number of streams.

The DVP and DVG software offers 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.

TECHNICAL SPECIFICATIONS

	DVA100	DVA200	DVA202
Software			
DVP	Yes	Yes	Yes
DVG	Yes	Yes	Yes
Capacity			
Maximum bit rate [Mb/s]	80	200	500
Maximum number of streams	16	64	128
Maximum number of tunnels	16	64	128
Video Interfaces			
10/100/1000 Base-Tx, RJ-45 connectors	5	5	5
Front panel SFP slots	No	No	No
4x ASI IN/OUT, BNC female connectors	No	No	No
Management and Control			
Remote			
10/100/1000 Base-Tx, RJ-45 connector	Yes	Yes	Yes
Integrated IPMI	No	No	No
Local			
RS-232, RJ-45 connector	Yes	Yes	Yes
VGA	Yes	Yes	Yes
Expansion Slots			
Number of expansion slots	1	1	1
Environmental			
Ambient Temperature			
Operational	0°C - 40°C 32°F - 104°F	0°C - 40°C 32°F - 104°F	0°C - 40°C 32°F - 104°F
Storage	-20°C - 70°C -4°F - 158°F	-20°C - 70°C -4°F - 158°F	-20°C - 70°C -4°F - 158°F
Relative Humidity (non-condensing)			
Operational	5% - 90%	5% - 90%	5% - 90%
Storage	5% - 90%	5% - 90%	5% - 90%
Physical Dimensions			
Dimensions (W x D x H)	438 x 422 x 44 mm 17.24" x 16.61" x 1.73"	438 x 422 x 44 mm 17.24" x 16.61" x 1.73"	438 x 422 x 44 mm 17.24" x 16.61" x 1.73"
Weight	9.0 kg / 19.84 lbs	9.0 kg / 19.84 lbs	9.0 kg / 19.84 lbs
Power			
Power Supplies	1	1	1 + 1
Input Voltage	100 - 240V AC 50 - 60 Hz	100 - 240V AC 50 - 60 Hz	100 - 240V AC 50 - 60 Hz
Maximum Power	250 W	250 W	250 W
Compliance			
CE/FCC Class A, RoHS	Yes	Yes	Yes

	DVA500	DVA502
		
Software		
DVP	Yes	Yes
DVG	Yes	Yes
Capacity		
Maximum bit rate [Mb/s]	500	500
Maximum number of streams	128	128
Maximum number of tunnels	128	128
Video Interfaces		
10/100/1000 Base-Tx, RJ-45 connectors	5	5
Front panel SFP slots	No	No
4x ASI IN/OUT, BNC female connectors	No	No
Management and Control		
Remote		
10/100/1000 Base-Tx, RJ-45 connector	Yes	Yes
Integrated IPMI	No	No
Local		
RS-232, RJ-45 connector	Yes	Yes
VGA	Yes	Yes
Expansion Slots		
Number of expansion slots	1	1
Environmental		
Ambient Temperature		
Operational	0°C - 40°C 32°F - 104°F	0°C - 40°C 32°F - 104°F
Storage	-20°C - 70°C -4°F - 158°F	-20°C - 70°C -4°F - 158°F
Relative Humidity (non-condensing)		
Operational	5% - 90%	5% - 90%
Storage	5% - 90%	5% - 90%
Physical Dimensions		
Dimensions (W x D x H)	438 x 422 x 44 mm 17.24" x 16.61" x 1.73"	438 x 422 x 44 mm 17.24" x 16.61" x 1.73"
Weight	9.0 kg / 19.84 lbs	9.0 kg / 19.84 lbs
Power		
Power Supplies	1	1 + 1
Input Voltage	100 - 240V AC 50 - 60 Hz	100 - 240V AC 50 - 60 Hz
Maximum Power	250 W	250 W
Compliance		
CE/FCC Class A, RoHS	Yes	Yes

	DVA2000	DVA3000
		
Software		
DVP	Yes	Yes
DVG	Yes	Yes
Capacity		
Maximum bit rate [Mb/s]	1,600	2,400
Maximum number of streams	200	200
Maximum number of tunnels	200	200
Video Interfaces		
10/100/1000 Base-Tx, RJ-45 connectors	5	5
Front panel SFP slots	2	2
4x ASI IN/OUT, BNC female connectors	No	Yes
Management and Control		
Remote		
10/100/1000 Base-Tx, RJ-45 connector	Yes	Yes
Integrated IPMI	Yes	Yes
Local		
RS-232, RJ-45 connector	Yes	Yes
VGA	Yes	Yes
Expansion Slots		
Number of expansion slots	2	2
Environmental		
Ambient Temperature		
Operational	0°C - 40°C 32°F - 104°F	0°C - 40°C 32°F - 104°F
Storage	-20°C - 70°C -4°F - 158°F	-20°C - 70°C -4°F - 158°F
Relative Humidity (non-condensing)		
Operational	5% - 90%	5% - 90%
Storage	5% - 90%	5% - 90%
Physical Dimensions		
Dimensions (W x D x H)	438 x 422 x 44 mm 17.24" x 16.61" x 1.73"	438 x 422 x 44 mm 17.24" x 16.61" x 1.73"
Weight	9.0 kg / 19.84 lbs	9.0 kg / 19.84 lbs
Power		
Power Supplies	1 + 1	1 + 1
Input Voltage	100 – 240V AC 50 – 60 Hz	100 – 240V AC 50 – 60 Hz
Maximum Power	320 W	320 W
Compliance		
CE/FCC Class A, RoHS	Yes	Yes

ORDERING INFORMATION

DVA Appliances

VFH20101	DVA100, 16x Streams / 64x SGs, 16x Tunnels, 80 Mb/s, Rack Mountable, 1RU
VFH20201	DVA200, 64x Streams / 256x SGs, 64x Tunnels, 200 Mb/s, Rack Mountable, 1RU
VFH20202	DVA202, 64x Streams / 256x SGs, 64x Tunnels, 200 Mb/s, Dual PS, Rack Mountable, 1RU
VFH20301	DVA500, 128x Streams / 512x SGs, 128x Tunnels, 500 Mb/s, Rack Mountable, 1RU
VFH20302	DVA502, 128x Streams / 512x SGs, 128x Tunnels, 500 Mb/s, Dual PS, Rack Mountable, 1RU
VFH20401	DVA2000, 200x Streams / 800x SGs, 200x Tunnels, 1.6 Gb/s, Dual PS, Rack Mountable, 1RU
VFH20501	DVA3000, 200x Streams / 800x SGs, 200xTunnels, 2.4 Gb/s, 4x ASI (IN/OUT), Dual PS, Rack Mountable, 1RU

DVP Software

VFS10101	DVP Software
VFS99025	DVP Protected bitrate (PB), Min 1 Mb/s, Max 25 Mb/s
VFS99050	DVP Protected bitrate (PB), Min 26 Mb/s, Max 50 Mb/s
VFS99100	DVP Protected bitrate (PB), Min 51 Mb/s, Max 100 Mb/s
VFS99200	DVP Protected bitrate (PB), Min 101 Mb/s, Max 200 Mb/s
VFS99800	DVP Protected bitrate (PB), Min 201 Mb/s, Max 800 Mb/s
VFS99924	DVP Protected bitrate (PB), Min 801 Mb/s, Max 2,400 Mb/s
VFS97001	RIST protected bitrate (PB), Min 1 Mb/s, Max 2,400 Mb/s

DVG Software

VFS10201	DVG Software
VFS88010	DVG Stream Gates (SGs), Min 1 SG, Max 10 SGs
VFS88100	DVG Stream Gates (SGs), Min 11 SG, Max 100 SGs
VFS88200	DVG Stream Gates (SGs), Min 101 SG, Max 200 SGs
VFS88800	DVG Stream Gates (SGs), Min 201 SG, Max 800 SGs
VFS89001	DVG pool license
VFS91002	DVP/DVG hot backup license

Extension Cards

- VFW80001 4x ASI/SD-SDI IN/OUT (DekTec DTA-2144B)
- VFW80101 1x SD/HD-SDI IN, 1x HDMI IN (Black Magic Design DeckLink Mini Recorder)
- VFW80102 1x SD/HD/UHD-SDI IN, 1x HDMI IN (Black Magic Design DeckLink Mini Recorder 4K)
- VFW80202 4x SD/HD-SDI IN/OUT, Genlock (Black Magic Design DeckLink Duo 2)
- VFW80301 4x HDMI IN (Black Magic Design DeckLink Quad HDMI Recorder)
- VFW80301 8x SDI IN/OUT (Black Magic Design DeckLink Quad 2)



www.video-flow.com

VideoFlow HQ

11 Ha'amal Street, Rosh Ha'ayin
480924, Israel
Tel: +972-3-6130655
email: info@video-flow.com