

DVS

Server Grade Appliances Datasheet

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.

The DVS can run both VideoFlow's Digital Video Protection (DVP) and Digital Video Gateway (DVG) multi-tool software to broadcast with confidence over any IP network, including over the Internet.

Choose the device that fits your needs exactly. Either you deliver 1 Mb/s or 1 Gb/s, the DVS line of appliances offers three options that vary by bit rate capacity, number of connections, 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

	DVS100	DVS500	DVS2000
			
Software			
DVP	Yes	Yes	Yes
DVG	Yes	Yes	Yes
Capacity			
Maximum bit rate [Mb/s]	100	500	1,600
Maximum number of streams	16	80	200
Maximum number of tunnels	16	80	200
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	Yes	Yes	Yes
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	10°C - 35°C 50°F - 95°F	10°C - 35°C 50°F - 95°F	10°C - 35°C 50°F - 95°F
Storage	-40°C - 70°C -40°F - 158°F	-40°C - 70°C -40°F - 158°F	-40°C - 70°C -40°F - 158°F
Relative Humidity (non-condensing)			
Operational	8% - 90%	8% - 90%	8% - 90%
Storage	5% - 95%	5% - 95%	5% - 95%
Physical Dimensions			
Dimensions (W x D x H)	426 x 356 x 43 mm 18.80" x 14.00" x 1.70"	437 x 366 x 43 mm 17.20" x 14.40" x 1.70"	437 x 366 x 43 mm 17.20" x 14.40" x 1.70"
Weight	3.62 kg / 8.0 lbs)	4.8 kg / 10.5 lbs	4.8 kg / 10.5 lbs
Power			
Power Supplies	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	200 W	350 W	350 W
Compliance			
CE/FCC Class A, RoHS	Yes	Yes	Yes

* A DVS platform is equipped, by default, with a two GbE Ethernet ports extension module. The default extension module can be replaced by any other extension module available for the DVS hardware platform.

ORDERING INFORMATION

DVS Appliances

- VFH30101 DVS100, 16x Streams / 64x SGs, 16x Tunnels, 100 Mb/s, Rack Mountable, 1RU
- VFH30201 DVS500, 80x Streams / 320x SGs, 80x Tunnels, 500 Mb/s, Rack Mountable, 1RU
- VFH30301 DVS2000, 200x Streams / 800x SGs, 200x Tunnels, 1.6 Gb/s, 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)