



# Sourcefire 3D<sup>®</sup> System Appliance Specifications

## SOURCEFIRE 3D<sup>®</sup> SENSOR



MODEL	3D500	3D1000	3D2000	3D2100	3D2500
<b>Performance and Functionality</b>					
Supported Line Speed (IPS/IDS)	5Mbps	45Mbps	100Mbps	250Mbps	500Mbps
Monitoring Interfaces	(4) Copper 1Gbps	(4) Copper 1Gbps	(4) Copper 1Gbps	(4) Copper 1Gbps	2 options: (8) Copper 1Gbps; (4) Copper 1Gbps and (4) Fiber 1Gbps
Management Interfaces	RJ45	RJ45	RJ45	RJ45	RJ45
Typical Latency	< 1 millisecond	< 1 millisecond	< 1 millisecond	< 1 millisecond	<1 millisecond
Memory (RAM)	256MB	512MB	1GB	1GB	2GB
Disk Capacity	40GB	40GB	40GB	160GB	160GB
Stacking Support	No	No	No	No	No
<b>Redundancy Features</b>					
Dual Power Supplies	n/a	n/a	n/a	n/a	n/a
Hard Drives	n/a	n/a	n/a	n/a	n/a
RAID Support	n/a	n/a	n/a	n/a	n/a
Cooling Fans	1	1	1	4	4
<b>Physical and Environmental</b>					
Form Factor	desktop or rackmount	desktop or rackmount	desktop or rackmount	1U	1U
Dimensions (D x W x H in inches)	6.7 x 11.8 x 1.25	6.7 x 11.8 x 1.25	6.7 x 11.8 x 1.25	20 x 16.93 x 1.7	20 x 16.93 x 1.7
Shipping Weight (lbs)	10lbs	10lbs	10lbs	38lbs	38lbs
Amps	5@12V	5@12V	5@12V	6.3@110V / 3.2@220V	6.3@110V / 3.2@220V
Voltage	100-240V	100-240V	100-240V	100-240V	100-240V
Watts (max)	60	60	60	630	630
BTU Rating (hour)	205	205	205	205	1200
Operating Temperature	0°C-40°C	0°C-40°C	0°C-40°C	0°C-40°C	10°C-35°C
RoHS	Yes	Yes	Yes	Yes	Yes



## SOURCEFIRE 3D<sup>®</sup> SENSOR



MODEL	3D3500	3D4500	3D6500	3D9900
<b>Performance and Functionality</b>				
Supported Line Speed (IPS/IDS)	1Gbps	2Gbps	up to 4Gbps	up to 10Gbps*
Monitoring Interfaces	2 options: (8) Copper 1Gbps; (4) Copper 1Gbps and (4) Fiber 1Gbps	2 options: (8) Copper 1Gbps; (4) Copper 1Gbps and (4) Fiber 1Gbps	6 options: (12) Copper 1Gbps; (4) SR 10Gbps; (4) LR 10Gbps; (6) Copper 1Gbps and (2) SR 10Gbps; (6) Copper 1Gbps and (2) LR 10Gbps; (6) Copper 1Gbps and (4) Fiber 1Gbps	2 options: (12) Copper 1Gbps; (4) SR 10Gbps
Management Interfaces	RJ45	RJ45	RJ45	(2) RJ45
Typical Latency	< 1 millisecond	< 1 millisecond	250 microseconds	150 microseconds
Memory (RAM)	4GB	8GB	16GB	16GB
Disk Capacity	160GB	160GB	160GB	73GB
Stacking Support	No	No	No	Yes*
<b>Redundancy Features</b>				
Dual Power Supplies	standard	standard	standard	standard
Hard Drives	n/a	n/a	2	2
RAID Support	n/a	n/a	RAID 1	RAID 1
Cooling Fans	4	5	5	5
<b>Physical and Environmental</b>				
Form Factor	1U	1U	2U	2U
Dimensions (D x W x H in inches)	20 x 16.93 x 1.7	20 x 16.93 x 1.7	20 x 17.14 x 3.45	20 x 17.14 x 3.45
Shipping Weight (lbs)	39lbs	39lbs	49lbs	49lbs
Amps	6.3@110V / 3.2@220V	7@110V / 3.2@220V	5.5@110V / 2.75@220V	5.5@110V / 2.75@220V
Voltage	100-240V	100-240V	110-127V / 200-240V	110-127V / 200-240V
Watts (max)	630	650	600	600
BTU Rating (per hour)	1200	1200	1200	1200
<sup>a</sup> Operating Temperature	10°C-35°C	10°C-35°C	10°C-35°C	10°C - 35°C
RoHS	Yes	Yes	Yes	Yes

\*Clustering two 3D9900 Sensors provides throughput up to 20Gbps.



## SOURCEFIRE 3D8000 SERIES®



MODEL	3D8140	3D8250	3D8260
<b>Performance and Functionality</b>			
IPS Throughput*	6Gbps	10Gbps	20Gbps
Model Throughput	10Gbps	20Gbps	40Gbps
Modular Interfaces	Up to 3 modules in any combination	Up to 7 modules in any combination	Up to 6 modules in any combination
Monitoring Interfaces	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR	(4) 1Gbps copper; (4) 1Gbps fiber; (2) 10Gbps SR; (2) 10Gbps LR
Management Interfaces	RJ45	RJ45	RJ45
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000
Typical Latency	150 microseconds	150 microseconds	150 microseconds
Memory (RAM)	24GB	48GB	96GB
Lights Out Management	Yes	Yes	Yes
Stacking Support	Yes	Yes	n/a
<b>Redundancy Features</b>			
Dual Power Supplies	Yes	Yes	Yes
Hard Drives	Solid State	Solid State	Solid State
RAID Support	n/a (Solid State Drive)	n/a (Solid State Drive)	n/a (Solid State Drive)
Cooling Fans	10	6	12
<b>Physical and Environmental</b>			
Form Factor	1U	2U	4U
Dimensions (D x W x H in inches)	27.25 x 16.93 x 1.7	28.92 x 17.01 x 3.47	28.92 x 17.01 x 3.47 per device
Maximum Shipping Weight**	54lbs	67lbs	127lbs
Amps	<6 Amps	<6 Amps	<12 Amps
AC Voltage	120v/240v	120v/240v	120v/240v
DC Voltage	-48v	-48v	-48v
Watts (max)	Dual 650W	Dual 750W	(2) Dual 750W
Operating Temperature	10°C-35°C	10°C-35°C	10°C-35°C
Air Flow	Front to back	Front to back	Front to back
Operating Humidity	5%-85%	5%-85%	5%-85%
RoHS Compliant	Yes	Yes	Yes

\*Exact network performance experienced will vary depending on conditions outside of the control of Sourcefire, including the protocol mix and average packet size inspected.

\*\*Exact weight will vary depending on installed network modules



## SOURCEFIRE DEFENSE CENTER®



MODEL	DC750	DC1500	DC3500
<b>Performance and Functionality</b>			
Maximum Sensors Managed (recommended)	10*	35*	150*
Maximum IPS Event Storage	20 million	30 million	150 million
Maximum IPS Event Rate (per second)	2,000	6,000	10,000
Maximum Flow Data Rate (per second)	2,000	6,000	10,000
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000
Management Interface	RJ45`	RJ45	RJ45
Memory (RAM)	2GB	6GB	12GB
Events Storage Space	100GB	125GB	400GB
Lights Out Management	Yes	Yes	Yes
Can function as Master Defense Center	No	No	Yes
<b>Redundancy Features</b>			
Dual Power Supplies	No	No	Yes
RAID Support	No	RAID 1	RAID 5
Airflow	Front to back	Front to back	Front to back
<b>Physical and Environmental</b>			
Form Factor	1U	1U	1U
Dimensions (D x W x H in inches)	27.19 x 16.9 x 1.7	27.19 x 16.9 x 1.7	27.19 x 16.9 x 1.7
Shipping Weight (lbs)	33lbs	34lbs	38lbs
Power Supply	9.5 Amp max at 110V, 50/60 Hz 4.75 Amp max at 220V, 50/60 Hz	9.5 Amp max at 110V, 50/60 Hz 4.75 Amp max at 220V, 50/60 Hz	12 Amp max at 110V, 50/60 Hz 6 Amp max at 220V, 50/60 Hz
BTU Rating (per hour)	1660	2550	2550
Operating Temperature	10°C-35°C	10°C-35°C	10°C-35°C
RoHS	Yes	Yes	Yes

\*Maximum number of sensors is dependent upon sensor type and event rate.



## SOURCEFIRE DEFENSE CENTER®



MODEL	DC500	DC1000	DC3000
<b>Performance and Functionality</b>			
Management Interfaces (copper)	RJ45	RJ45	RJ45
Port Speed	10/100/1000	10/100/1000	10/100/1000
Type of Connector	RJ45	RJ45	RJ45
Memory (RAM)	1GB	2GB	4GB
Maximum Event Storage	2,500,000	10,000,000	100,000,000
Maximum Sensors Managed (recommended)	3*	25	100
Disk Capacity	40GB	73GB	360GB
<b>Redundancy Features</b>			
Dual Power Supplies	n/a	n/a	standard
Hard Drives	1	2	6
RAID Support	n/a	RAID 1	RAID 5
Cooling Fans	1	5	6
<b>Physical and Environmental</b>			
Form Factor	desktop or rackmount	1U	2U
Dimensions (D x W x H in inches)	6.7 x 11.8 x 1.25	27.25 x 16.93 x 1.7	27.95 x 16.93 x 3.44
Shipping Weight (lbs)	10lbs	38lbs	70lbs
Amps	5@12V	9.5@110V / 4.75@220V	12@110V / 6@220V
Voltage	100-240V	100-240V	100-240V
Watts (max)	60	1045	1320
BTU Rating (per hour)	205	2550	1826
Operating Temperature	0°C - 40°C	10°C - 35°C	10°C - 35°C

\*No single sensor larger than Sourcefire 3D2100



## SOURCEFIRE IPSx



MODEL	DC750x	IPSx250	IPSx500	IPSx1000
<b>Performance and Functionality</b>				
Appliance Type	Management	Sensor	Sensor	Sensor
Supported Line Speed (IPS)	-	250Mbps	500Mbps	1Gbps
Monitoring Interfaces	-	(8) Copper RJ45 10/100/1000	(8) Copper RJ45 10/100/1000	(8) Copper RJ45 10/100/1000
Integrated Fall-Open Faces	-	Yes	Yes	Yes
Management Interfaces	RJ45	RJ45	RJ45	RJ45
Management Interfaces Speed	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Typical Latency	-	< 1 millisecond	< 1 millisecond	< 1 millisecond
Maximum IPS Event Storage	20 million	-	-	-
Maximum IPS Event Rate (per second)	2000	-	-	-
Maximum IPSx Sensors Managed	10*	n/a	n/a	n/a
Memory (RAM)	2GB	4GB	4GB	4GB
Disk Capacity	500GB	160GB	160GB	160GB
Dual Power Supplies	No	Yes	Yes	Yes
<b>Physical and Environmental</b>				
Form Factor	1U	1U	1U	1U
Dimensions (D x W x H in inches)	27.19 x 16.9 x 1.7	20 x 16.93 x 1.7	20 x 16.93 x 1.7	20 x 16.93 x 1.7
Shipping Weight (lbs)	33lbs	39lbs	39lbs	39lbs
Power Supply	9.5 Amp max @ 110V AC 4.75 Amp max @ 220V AC	6.3 Amp max @ 110V AC 3.2 Amp max @ 220V AC	6.3 Amp max @ 110V AC 3.2 Amp max @ 220V AC	6.3 Amp max @ 110V AC 3.2 Amp max @ 220V AC
BTU Rating (per hour)	1660	1200	1200	1200
Operating Temperature	10°C-35°C	10°C-35°C	10°C-35°C	10°C-35°C
RoHS	Yes	Yes	Yes	Yes



## SOURCEFIRE VIRTUAL APPLIANCE

MODEL	VIRTUAL 3D SENSOR	VIRTUAL DEFENSE CENTER
<b>Performance and Functionality</b>		
Supported Line Speed (IPS)	150Mbps - 200Mbps per core*	-
Management Interface	Virtual	Virtual
Maximum Detection Resources	3	-
Maximum Cores	3	-
Supported Detection Engines	IPS, RNA, RUA	-
Maximum IPS events stored	-	10,000,000
Maximum Flow events stored	-	10,000,000
Maximum 3D Sensors managed	-	25
Disk space required (minimum)	20GB	80GB
Memory required (minimum)	1GB	1GB
<b>Memory required (minimum)</b>		
VMware	ESX / ESXi 3.5 or 4.1	ESX / ESXi 3.5 or 4.1
Xen Hypervisor	3.3.2, 3.4.2 on Ubuntu 8.04 LTS	3.3.2, 3.4.2 on Ubuntu 8.04 LTS

\* Throughput is dependent on hardware used and available resources.



## SOURCEFIRE SSL APPLIANCE



MODEL	SSL APPLIANCE
<b>Performance and Functionality</b>	
Supported Line Speed (SSL traffic)	1Gbps
Monitoring Interfaces	2 options: (4) Copper 1Gbps; (4) Fiber 1Gbps
Management Interfaces	RJ45
Concurrent SSL flows inspected	50,000
Total Simultaneous flows	1,000,000
SSL Set-ups & Teardowns	2,900/sec
Typical Latency (Non SSL cut-through)	< 40 microseconds
Memory (RAM)	8GB
Disk Capacity	80GB
<b>Redundancy Features</b>	
Dual Power Supplies	standard
Hard Drives	1
RAID Support	n/a
Cooling Fans	3
<b>Physical and Environmental</b>	
Form Factor	2U
Dimensions (D x W x H in inches)	19.5 x 17.5 x 3.57
Shipping Weight (lbs)	34lbs
Amps	8@100V / 4@240V
Voltage	100-240V
Watts (max)	(2) 460 (PSUs)
Operating Temperature	0°C-40°C

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