

Budget Worksheet Listing

Dept. Number	Account Number	Account Name	W. Space	PriorFY Budget	PriorFY Expend	Current Budget	Current Expend.	Request	T Admin.Rec	Selectmen
01100		Fire Department								
001-01100-00100-4220		Fire Department Personnel Services, Salaries		175,997.00	175,979.62	181,613.00	0.00	182,434.00	182,434.00	0.00
001-01100-00110-4220		Fire Department Overtime		3,750.00	1,472.55	4,000.00	0.00	4,000.00	4,000.00	0.00
001-01100-00120-4220		Fire Department Part Time		5,000.00	5,107.16	5,500.00	0.00	5,376.00	5,000.00	0.00
001-01100-00130-4220		Fire Department Outside Detail Wages		0.00	1,677.20	0.00	0.00	0.00	0.00	0.00
001-01100-00160-4220		Fire Department Compensation		64,500.00	63,911.39	63,500.00	0.00	64,929.00	64,000.00	0.00
001-01100-00210-4220		Fire Department Insurances		71,674.00	70,203.03	80,025.00	0.00	56,102.00	56,102.00	0.00
001-01100-00220-4220		Fire Department FICA		5,034.00	4,675.47	5,282.00	0.00	5,299.00	5,299.00	0.00
001-01100-00230-4220		Fire Department Medicare		3,566.00	3,406.92	3,693.00	0.00	3,704.00	3,704.00	0.00
001-01100-00240-4220		Fire Department Workers Comp		11,147.00	4,852.56	19,977.00	0.00	14,675.00	14,675.00	0.00
001-01100-00260-4220		Fire Department NH Retirement		41,092.00	42,116.51	45,902.00	0.00	47,219.00	47,219.00	0.00
001-01100-00290-4220		Fire Department Other Employee Benefits		9,000.00	5,508.71	14,500.00	0.00	18,217.00	17,500.00	0.00
001-01100-00300-4220		Fire Department Professional & Technical Services		262,746.00	262,090.35	285,500.00	0.00	330,586.00	330,500.00	0.00
001-01100-00400-4220		Fire Department Property Services		122,500.00	119,426.10	120,000.00	0.00	126,459.00	121,500.00	0.00
001-01100-00500-4220		Fire Department Other Services		9,750.00	4,547.98	500.00	0.00	500.00	500.00	0.00
001-01100-00600-4220		Fire Department Supplies		81,500.00	70,762.98	75,000.00	0.00	82,951.00	80,000.00	0.00
001-01100-00800-4220		Fire Department Other Charges & Expenses		43,750.00	30,600.89	36,750.00	0.00	32,714.00	32,000.00	0.00
		Subtotal for dept. Fire Department:		911,006.00	866,339.42	941,742.00	0.00	975,165.00	964,433.00	0.00



FY 2015 BUDGET DETAIL							
DEPARTMENT:		Fire					
FUND:		001					
ACCOUNT NUMBER:		01100		00100			
ACCOUNT NAME:		Personnel Services, Salaries					
							FY 2015
Description	Grade/Step	\$ Per Unit	Hrs/Wk/Yr or Salary	Extension	FY 2015 Request	Administrator Recommended	
1	Fire Chief	XXIV-10	\$41.67	\$1,666.80	\$21,668.40	\$21,668	\$21,668
		XXIV-10	\$41.67	\$1,666.80	\$65,005.20	\$65,005	\$65,005
2	Firefighter/EMT	IX-2	\$19.08	\$763.20	\$9,921.60	\$9,922	\$9,922
		IX-3	\$19.65	\$786.00	\$30,654.00	\$30,654	\$30,654
3	Firefighter/EMT	IX-1	\$18.52	\$740.80	\$9,630.40	\$9,630	\$9,630
		IX-1	\$18.52	\$740.80	\$28,891.20	\$28,891	\$28,891
4	Office Clerk (20 Hours)	VI-1	\$15.83	\$316.60	\$4,115.80	\$4,116	\$4,116
		VI-1	\$15.83	\$316.60	\$12,347.40	\$12,347	\$12,347
6	Longevity	10	\$20.00	\$200.00	\$200.00	\$200	\$200
					Totals	\$182,434	\$182,434
Note: Highlighted cells show positions which are eligible for a step raise.							
FUND:		001					
ACCOUNT NUMBER:		01100		00110			
ACCOUNT NAME:		Overtime					
							FY 2015
Description	Quantity	\$ Per Unit	Hrs/Wk/Yr or Salary	Extension	FY 2015 Request	Administrator Recommended	
Base Full Time Hrly pays * 5.0%	1	\$3,954.86			\$4,000	\$4,000	
					Totals	\$4,000	\$4,000
FUND:		001					
ACCOUNT NUMBER:		01100		00120			
ACCOUNT NAME:		Part-Time					
							FY 2015
Description	Quantity	\$ Per Unit		Extension	FY 2015 Request	Administrator Recommended	
Wknd & Summer Duty & Holiday	448	\$12.00		\$5,376.00	\$5,376	\$5,376	
					Lump Sum Disallowed	-\$376	
					Totals	\$5,376	\$5,000
ACCOUNT NUMBER:		1100		00160			
ACCOUNT NAME:		Compensation					
							FY 2015
Description	Quantity	\$ Per Unit		Extension	FY 2015 Request	Administrator Recommended	
Note: Payments are made every two weeks (Deputies @ \$13.77-\$14.79; Captains @ \$12.24-\$13.26) (Lieutenants/Engineers @\$ 10.71-\$11.73; FFs @ \$9.18-\$10.20/hour) (Balance is divided among those who answered at least 50 calls and did 16 hrs minimum training)				\$63,954.00	\$63,954	\$63,954	
50/50 NHDRED Cost share pay to extinguish wild land fires				\$750.00	\$750	\$750	
50/50 NHDRED Cost share Warden/Deputy Warden training				\$225.00	\$225	\$225	
					Lump Sum Disallowed	-\$929	
					Totals	\$64,929	\$64,000

FUND:	1				
ACCOUNT NUMBER:	1100	00290			
ACCOUNT NAME:	Other Employee Benefits				
					FY 2015
Description	Quantity	\$ Per Unit	Extension	FY 2015 Request	Administrator Recommended
Clerk Polo's	3	\$35.00	\$105.00	\$105	\$105
Chief & FF/EMT-Uniforms	3	\$500.00	\$1,500.00	\$1,500	\$1,500
Uniform Cleaning	18	\$28.00	\$504.00	\$504	\$504
New uniforms, Class "A"	4	\$390.00	\$1,560.00	\$1,560	\$1,560
Badges, hat, shirt, coat & collar	4	\$329.00	\$1,316.00	\$1,316	\$1,316
Week End Duty Crew Shirts & Trousers	6	\$108.00	\$648.00	\$648	\$648
Work Shirts & Embroidery	6	\$91.00	\$546.00	\$546	\$546
Criminal & Driving Record Checks	4	\$67.00	\$268.00	\$268	\$268
Entry level Physicals	4	\$454.00	\$1,816.00	\$1,816	\$1,816
Physicals, Annual Monitoring	26	\$330.00	\$8,580.00	\$8,580	\$8,580
Hepatitis B	4	\$343.40	\$1,373.60	\$1,374	\$1,374
			Lump Sum Disallowed		-\$717
			Totals	\$18,217	\$17,500
FUND:	1				
ACCOUNT NUMBER:	1100	00300			
ACCOUNT NAME:	Professional & Technical Services				
					FY 2015
Description	Quantity	\$ Per Unit	Extension	FY 2015 Request	Administrator Recommended
Ambulance Contract: Jan 1 to June 30	0.5	\$177,250.00	\$88,625.00	\$88,625	\$88,625
Ambulance Contract: July 1 to Dec. 31	0.5	\$185,000.00	\$92,500.00	\$92,500	\$92,500
Ambulance Add-On Rider Re: Paramedic	1	\$40,600.00	\$40,600.00	\$40,600	\$40,600
Lakes Region Mutual Aid **	1	\$92,947.00	\$92,947.00	\$92,947	\$92,947
Lakes Region Partnership for Public Health	1	\$5,300.00	\$5,300.00	\$5,300	\$5,300
Verizon Wireless Modem's (5)	60	\$44.00	\$2,640.00	\$2,640	\$2,640
NFPA On-line Fire Codes Subscription	1	\$1,165.00	\$1,165.00	\$1,165	\$1,165
Firehouse Enterprise & Inspector Software	1	\$1,682.00	\$1,682.00	\$1,682	\$1,682
I am Responding	1	\$800.00	\$800.00	\$800	\$800
Time Warner Internet/Cable Access	24	\$59.99	\$1,439.76	\$1,440	\$1,440
Public Safety Building - FD Phone & Fax	12	\$109.00	\$1,308.00	\$1,308	\$1,308
Neck Station- Phone & Fax lines	12	\$34.00	\$408.00	\$408	\$408
Long Distance Carrier Fees-BCN	12	\$12.18	\$146.16	\$146	\$146
Computer Support & Repairs	1	\$900.00	\$900.00	\$900	\$900
Telephone sys. Supp.-PHD Communications	1	\$125.00	\$125.00	\$125	\$125
			Lump Sum Disallowed		-\$86
			Totals	\$330,586	\$330,500

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FUND:	1					
ACCOUNT NUMBER:	1100	00400				
ACCOUNT NAME:	Property Services					
						FY 2015
Description	Quantity	\$ Per Unit	Extension	FY 2015 Request	Administrator Recommended	
Rescue 1 - Lease Payment	1	\$89,906.00	\$89,906.00	\$89,906	\$89,906	
Flir MD 625 Thermal Imager w/joystick	1	\$4,850.00	\$4,850.00	\$4,850	\$4,850	
Dual Head mobile radio-Kenwood TK5710	1	\$2,844.00	\$2,844.00	\$2,844	\$2,844	
Portable radio-Kenwood TK5210	3	\$1,655.00	\$4,965.00	\$4,965	\$4,965	
S. Steel Rescue Loops for Rescue 1 Body	4	\$566.50	\$2,266.00	\$2,266	\$2,266	
Streamlight- Survivor	4	\$85.00	\$340.00	\$340	\$340	
Streamlight- Vulcan	12	\$145.00	\$1,740.00	\$1,740	\$1,740	
Chargers for Streamlight-Vulcan	6	\$120.00	\$720.00	\$720	\$720	
Canon Financial Services (Copier lease)	12	\$97.73	\$1,172.76	\$1,173	\$1,173	
Dry Hydrant/Cistern Repair & Maintenance	1	\$3,500.00	\$3,500.00	\$3,500	\$3,500	
Zoll M-Series Defibrillator Maintenance	2	\$525.00	\$1,050.00	\$1,050	\$1,050	
Zoll/Defibtech AED Maintenance	6	\$225.00	\$1,350.00	\$1,350	\$1,350	
Saw, Gen, Portable Pump Maint.	1	\$500.00	\$500.00	\$500	\$500	
SCBA Flow & Hydro-testing	25	\$55.00	\$1,375.00	\$1,375	\$1,375	
Cascade System Maint. & Air Testing	1	\$600.00	\$600.00	\$600	\$600	
Multi-gas meter cal. supplies and sensors	9	\$212.00	\$1,908.00	\$1,908	\$1,908	
SCBA Batteries	2	221.00	\$442.00	\$442	\$442	
Hurst Tool Maint.	1	750.00	\$750.00	\$750	\$750	
Fire Extinguisher Service & Maint.	1	736.00	\$736.00	\$736	\$736	
Thermal Imaging Camera Batteries Maint.	8	115.00	\$920.00	\$920	\$920	
Ladder Testing	14	42.00	\$588.00	\$588	\$588	
Turnout Gear Washer Maint.	1	273.00	\$273.00	\$273	\$273	
Radio & Pager Repairs & Reprogramming	1	1,000.00	\$1,000.00	\$1,000	\$1,000	
Batteries- Portable Radio, Pager	6	121.00	\$726.00	\$726	\$726	
Batteries- Portable Radio, Pager	12	15.25	\$183.00	\$183	\$183	
Vehicle Radio Repairs	1	850.00	\$850.00	\$850	\$850	
Repeater Site Rental	1	750.00	\$750.00	\$750	\$750	
USPS-P.O. Box Rental	1	67.00	\$67.00	\$67	\$67	
Oxygen Cylinder Leasing	1	87.00	\$87.00	\$87	\$87	
			Lump Sum Disallowed		-\$1,459	
			Totals	\$126,459	\$125,000	
FUND:	1					
ACCOUNT NUMBER:	1100	00500				
ACCOUNT NAME:	Other Services					
						FY 2015
Description	Quantity	\$ Per Unit	Extension	FY 2015 Request	Administrator Recommended	
1 Fire Permit Notice, Meredith News	4	\$60.00	\$240.00	\$240	\$240	
2 Printing of patient data cards - Miss Print	1	\$260.00	\$260.00	\$260	\$260	
			Totals	\$500	\$500	

FUND:	1				
ACCOUNT NUMBER:	1100	00600			
ACCOUNT NAME:	Supplies				
					FY 2015
Description	Quantity	\$ Per Unit	Extension	FY 2015 Request	Administrator Recommended
Gloves, firefighting & extrication	15	\$75.00	\$1,125.00	\$1,125	\$1,125
Hoods, PBI	15	\$28.00	\$420.00	\$420	\$420
Boots, firefighting	4	\$350.00	\$1,400.00	\$1,400	\$1,400
Adaptors, assorted	1	\$3,523.00	\$3,523.00	\$3,523	\$3,523
Class A-Foam, 5-gallon pails	48	\$86.00	\$4,128.00	\$4,128	\$4,128
Small Tools	1	\$500.00	\$500.00	\$500	\$500
Expendable Items	1	\$750.00	\$750.00	\$750	\$750
Supplies for hazardous material spills	1	\$500.00	\$500.00	\$500	\$500
EMS Supplies	1	\$3,200.00	\$3,200.00	\$3,200	\$3,200
NH DOT/Chassis/Pump/Trans Svc, LOF	12	\$1,200.00	\$14,400.00	\$14,400	\$14,400
Maintenance-Scheduled	1	\$17,000.00	\$17,000.00	\$17,000	\$17,000
Repairs-Unsheduled	1	\$8,000.00	\$8,000.00	\$8,000	\$8,000
Towing	1	\$500.00	\$500.00	\$500	\$500
Tires-E2	6	\$651.00	\$3,906.00	\$3,906	\$3,906
Annual Pump Testing	5	\$228.00	\$1,140.00	\$1,140	\$1,140
Boat Service and Winterization	2	\$728.00	\$1,456.00	\$1,456	\$1,456
Snow Mobile Service and Preparation	1	\$150.00	\$150.00	\$150	\$150
Gasoline	2,100	\$4.20	\$8,820.00	\$8,820	\$8,820
Diesel	1,600	\$4.73	\$7,568.00	\$7,568	\$7,568
Generator Fuel	500	\$4.73	\$2,365.00	\$2,365	\$2,365
Generator Repairs-unscheduled/emergency	1	\$1,000.00	\$1,000.00	\$1,000	\$1,000
Office & computer supplies-WB Mason	1	\$1,000.00	\$1,000.00	\$1,000	\$1,000
Postage & Shipping charges	1	\$100.00	\$100.00	\$100	\$100
			Lump Sum Disallowed		-\$2,951
			Totals	\$82,951	\$80,000

2015 Fire Department & Emergency Services Budget Acronyms

0110-001100 Personnel Service

EMT Emergency Medical Technician Provides emergency medical patient care

01100-00130 Outside Detail Wages

EMT Emergency Medical Technician Provides emergency medical patient care

01100-00160 Compensation

NHDRED New Hampshire Department of Resources and Economic Development is the Department, which has oversight and control of the Forest and Lands Division, Forest Protection Bureau. The agency responsible for managing the Fire Wardens, Deputy Warden, resources and work force used to combat wildland fires, issue fire permits and protect the forests.

01100-00290 Other Employee Benefits

FF Fire fighter Provides firefighting services

EMT Emergency Medical Technician Provides emergency medical patient care

Class "A" uniform Formal dress uniform

01100-00300 Professional & Technical Services

LRMFA Lakes Region Mutual Fire Aid Provides dispatching services for Fire Dept.

BCN Telecommunications Provides long distance telephone services

NFPA National Fire Protection Association Issues codes & standards for fire protection

PHD PHD Communications Authorized Toshiba distributor

IamResponding IamResponding.com Emergency Responder Reply System

01100-0040 Property Services

S. Steel Stainless Steel Type of steel resistant to corrosion

HP Horsepower

L.W. Light weight

Zoll manufacturer of medical devices Cardiac resuscitation and AED devices

Defibtech manufacturer of medical devices Cardiac resuscitation and AED devices

Gen. Generator

AED automated external defibrillator

SCBA Self-Contained Breathing Apparatus

Hydro Hydrostatic testing is the most common method employed for testing pressure vessels

USPS United States Post Office

P.O. Post Office

01100-00600 Supplies

PBI Polybenzimidazole a plastic used to make fibers in protective clothing for firefighters

Class "A" Foam Class A foams lower the surface tension of the water, which assists in the wetting and saturation of Class A fuels with water.

EMS Emergency Medical Service

DOT Department of Transportation

LOF Lube, Oil & Filter

01100-00800 Other Charges & Expenses

IAFC International Association of Fire Chief's

LRMFA Lakes Region Mutual Fire Aid

NFPA National Fire Protection Association

EMS Emergency Medical Service

Con Ed Continuing Education

EMT Emergency Medical Technician

NREMT National Registry of Emergency Medical Technicians

EVDT Emergency Vehicle Driver Training

MEMA Moultonborough Emergency Management Agency

LEOP Local Emergency Operations Plan

Proposal to increase Call Firefighting Personnel Wage Rates

History

The Department established the current rate schedule in 2008 and set the following compensation for differing levels on fire training certification.

Entry level or non-certified firefighter	\$9.00	Lt. with Firefighter 2	\$11.50
Firefighter 1A	\$9.25	Captain	\$12.00
Firefighter 1	\$9.50	Captain with Firefighter 1	\$12.50
Firefighter 2	\$10.00	Captain with Firefighter 2	\$13.50
Lieutenant	\$10.50	Deputy Chief with Firefighter 1	\$14.00
Lt. with Firefighter 1	\$11.00	Deputy Chief with Firefighter 2	\$14.50

When these rates were established, no addition compensation or consideration was given for EMS certifications (EMT-B, EMT-I/AEMT or EMT-P). In 2010, the Chief eliminated the \$9.25 for Firefighter 1A because the State of NH no longer offered this certification level; all personnel were required to become Firefighter 1 level certified. The Chief added an Engineer and Assistant Engineer positions at \$11.00 per hour, these positions were eliminated 2011. Since 2008, the hourly rates have not increased the dollar amount of the Compensation line has increased with the call volume to its current level of \$62,700. Currently personnel are compensated hourly for participation in incidents, training sessions, monthly work sessions and monthly department and officers meetings. At the end of the year, any member that has met the required participation minimums is eligible for a year of compensation payment of unexpended funds, which are divided equally among those meeting the required minimums of 50 incidents, 16-hours of training and 5 meetings.

Proposal

The Fire Chief is proposing to increase the hourly rates, recognizing certification of EMS personnel and eliminate the end of year compensation payment. Increasing the hourly rate will help Call personnel with the cost of fuel and time lost from jobs. It will provide a wage that is attractive and competitive with other area fire service agencies. The proposed increases are:

Entry level or non-certified firefighter	\$10.00	Deputy Chief	\$16.50
Firefighter 1	\$12.50	EMT-Basic, add to base	\$00.50
Firefighter 2	\$13.50	EMT-I/AEMT, add to base	\$1.00
Lieutenant	\$14.50	EMT-Paramedic, add to base	\$1.50
Captain	\$15.50		

The increase rates would cost \$4,564, about a 7% increase in the compensation line. This is being proposed following a review of the Job Classification & Compensation Schedule being proposed for 2015. The JC&CS indicates that unclassified positions including those listed below will receive compensation rates exceeding what Call firefighting personnel are currently receiving.

DPW General Laborer (S/I)	\$13.50	Summer Counselor	\$9.00
DPW Facility Attendant (S/I)	\$16.50	Rec. Dept. Drop-In Center Counselor	\$9.00
DPW Equipment Operator (S/I)	\$20.00	Ballot Clerks	\$11.00
Waterfront Director (Head Lifeguard)	\$13.00	Deputy Moderator	\$12.00
Lifeguard	\$9.50	Supervisors of the Checklist	\$13.00
Water Safety Instructor	\$10.50		

Some of the positions listed above require certifications or licensing that is comparable to the requirements of fire and EMS personnel (Firefighter 1, 212 hours of training, Firefighter 2, 116 hours, EMT-Basic 200+ hours). I believe that our firefighters and EMS personnel regularly demonstrate their value to the community. These personnel should be compensated at rates that are commensurate to those providing to similarly skilled unclassified employees.

I respectfully ask that you consider approving this request, which has the support of the Officers and members of Moultonborough Fire Rescue Department Call personnel.

David Bengtson

Fire Chief

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Fire Emergency Services 2015 Proposed Budget Narrative

Account Number & Name	FY 2015	Line Item Narrative
01100-00100 Personnel Services & Salaries	\$167,182.00	Salaries of the Fire Chief, (2) Firefighter/EMT, Officer Clerk (part-time) and longevity pay for Bengtson
01100-00110 Overtime	\$4,000.00	Overtime is calculated as 5% of the base salaries of the two Firefighter/EMT's.
01100-00120 Part-Time	\$5,376.00	This line funds the station coverage by two Call Firefighter/EMT's during Town recognized holidays when regular staff are off and staffing of both fire stations, two at each station on weekends between July 4 and Labor Day. It does not include the 20-hour per week Office Clerk's wages
01100-00160 Compensation	\$64,929.00	Funds the hourly compensation of 41 Call firefighter/EMT's. Two Deputy Chiefs, Two Captains, Four Lieutenants, a 2% step increase is proposed. Funds the 50/50 cost share with the State of NH Division of Forest & Lands for the services of Forest Fire Wardens & Deputy Wardens to check permits, issue warnings along with and costs associated with the extinguishment of wildland fires
01100-00290 Other Employee Benefits	\$18,217.00	Uniforms for full time staff and Clerk, Cleaning of dress uniforms, station duty uniforms for Call FF/EMT's, Badges for dress uniforms of new firefighters, Pre-employment medical evaluations, driving & Criminal background checks, annual fitness evaluation of 26 person on a rotating schedule. Hepatitis B vaccinations are required by State & Federal law to be offered to FF/EMT's working with blood borne pathogens
01100-00300 Professional & Technical Services	\$286,476.00	Moultonborough's portion of Stewart's Ambulance Service contract, Lakes Region Mutual Fire Aid dispatching services, wireless modem service for 5 mobile data terminals, computer support for 7 pc's and two laptop/tablets, support for Firehouse & Firehouse Inspector, Internet access for both fire stations, long distance telephone carrier fees, National Fire Protection Association Fire Code subscription for code enforcement reference, LRPPH fee, and online responder tracking & scheduling program

Fire Emergency Services 2025 Proposed Budget Narrative

01100-00400 Property Services	\$126,459.00	<p>Lease payment #3 for Rescue truck, Addition of stainless steel eye's on the body of rescue truck to serve as anchor points for technical rescue systems, <u>fixed mounted thermal imager for Boat 1, highlight replacement LED, Box light replacement -LED, replace (1) mobile radio, replacement (3) portable radios</u>, lease payments for copier, funding for repair & maintenance of dry hydrants & cisterns, routine maintenance of Defibrillators, AED's, Saws, Pumps, SCBA, Cascade System used to fill SCBA, multi-gas meters, Hurst Tool (Jaws of Life) fire extinguishers, Testing of ladders (required annually) SCBA Flow testing (required annually) , spare batteries for pagers and radios, Post Office Box lease, Oxygen cylinder leasing for medical quality oxygen.</p>
01100-00500 Other Services	\$342.00	<p>Payments to fire permit issuers for services rendered, cost shared with the State 50/50. Publication of "Fire Permits Required" notices in local newspapers, Printing of Patient data cards for EMS</p>
01100-00600 Supplies	\$82,951.00	<p>Gloves compliant with NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, Gloves compliant with NFPA 1951, Standard on Protective Ensembles for Technical Rescue Incidents, Hoods compliant with NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, hoods are the interface element of the protective ensemble that provides limited protection to the coat/helmet/SCBA face piece interface area. Boots compliant with NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting. Class A foams lower the surface tension of the water, which assists in the wetting and saturation of Class A (wood, cloth, paper, trash) fuels with water. This aids fire suppression and can prevent reignition of structure fires. Miscellaneous small hand tools for replacement or repair, Absorbent pads, booms, and spreadable absorbent materials, Aspirin, Oral Glucose, Defibrillator pads, sterile water, Epi-pens, Normal Saline, D-50, Assorted 16-22 GA needles, Glucometer test strips. NH DOT inspections of trucks, Lubrication of chassis, oil filters and oil changes, Scheduled maintenance of vehicles, unscheduled repairs of vehicles, Towing charges, Tires for One apparatus, annual pump testing for (5) apparatus fire pumps, winterization and summer prep of fire boat, service</p>

Fire Emergency Service 2015 Proposed Budget
Narrative

of snow mobiles, gasoline for Chief's car, Rescue 3, Utility 1, all boats and small engines for pumps, saws. Diesel fuel for (7) apparatus, fuel & repairs for generators at Moultonborough Academy (Town's Shelter location) and Public Safety Building. Copier paper, pens, labels, label maker supplies, desk calendars, file folders, postage & shipping fees

01.100-00800 Other Charges & Expenses	\$32,714.00	<p>Annual meeting of all Dept. personnel for review of Dept. policies, by-laws, SOP's & SOG's, dinner is provided for 43 personnel. dues for Fire Chief in the NH Assoc. of Fire Chiefs, Dues for Chief in the International Assoc. of Fire Chiefs, Due for Dept. membership in the Lakes Region Mutual Fire Aid Assoc. (different than LRMFA Dispatching, LRMFAA provides training and education to its members, review of regional incidents) dues for Chief in the National Fire Protection Assoc., dues for fire dept. & Aux. in the NH Firemens Assoc. (enrollment provides a small death and disability benefit to members & auxiliary) Dues for Carroll County Forest Fire Wardens Assoc. (Training & Education for Fire Warden & Deputies) Supra Boxes are key safes required by Town Ordinance. Blue Tarp covers purchases at Aubuchon Hardware, Monthly continuing education training for EMT's, EMT's are required to obtain 48 hours of Con Ed every two years and attend a 24 hour refresher training program to maintain their certification. \$15 fee paid to the National Registry of EMT's for recertification, Fire prevention & education materials distributed at Schools, parades and open house events, Entry level firefighter training for new personnel and advanced crew level training for existing personnel, training for personnel to become EMT's, Travel and tuition for (6) personnel to attend training at the National Fire Academy in Emmitsburg, MD. Tuition costs for personnel to attend monthly Officer Development training offered by the Lakes Region Mutual Aid Training Division, Tuition to attend classes offered by the NH Fire Academy on Emergency Vehicle driving, Rescue skills and ice rescue training. Funds to train personnel & operation the Emergency Operations Center at the Public Safety Building during storms and other declared emergencies. reimbursement for mileage related to training (when Town van is not available) Reimbursement for out of pocket expenses authorized by the</p>
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Fire Emergency Services 2015 Proposed Budget

Narrative

Fire Chief. Food for personnel at fires and stand by events, fees for incident related services and testing, subscription fees for fire, EMS and rescue magazines and web pages, Reimbursement Cellular phones as allowed under town policy, Town portion of the 50/50 cost share for issuing fire permits (this cost could be reduced if the State adopts on-line permits)

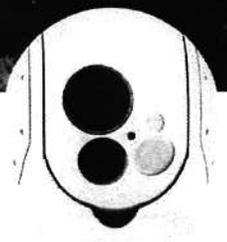
Total

\$788,646.00



First Responder

Thermal Night Vision Systems



MD 625 Series

Stay Safe.

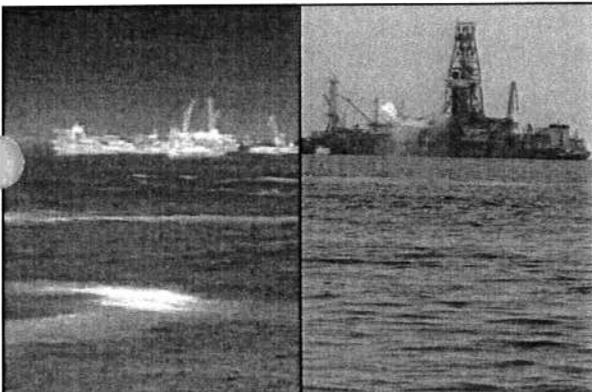
How FLIR Helps You Complete Your Mission

SAR - Thermal imagers see the difference in heat between the head of a person in the water and the surrounding water. No other technology available finds people in the water faster.

See Through Smoke - Fireboat crews can use thermal imaging to pinpoint the hottest areas of a fire and apply water exactly where its most beneficial.

Covert Surveillance - Miles and miles of open water or dark coastline give bad guys a sense of security. It's a false sense of security when you can standoff and observe in silence, just as militaries and airborne law enforcement have been doing with FLIR technology for years.

Complement Existing Systems - Visually verify radar returns with your thermal imager and see things that radar or a chart plotter can't. FLIR thermal imagers plug into existing video displays with standard video connections.



Respond to HAZMAT emergencies.



Identify buoys and other obstacles in the water.



Find crew overboard faster.



Locate stranded vessels.

See at Night.

The Force-Multiplying Thermal Advantage

Increased responsibilities and shrinking budgets are stretching first responders thin. FLIR's maritime thermal imaging cameras can cost-effectively extend and expand the utility of your craft and crew alike.

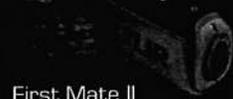
As a force-multiplier, FLIR thermal imaging cameras help first responders see clearly at night on search and rescue missions, law enforcement assignments, SCUBA operations, harbor safety patrols, assisting disabled boaters, participating in homeland security missions, and even responding to HAZMAT emergencies.

Maritime safety and law enforcement professionals rely on FLIR thermal imaging every day to provide invaluable assistance at night and in adverse weather conditions:

- **First Mate II:** Affordable, handheld thermal imaging for every boater, now featuring the InstAlert™ detection palette
- **MD-Series:** Affordable, fixed-mounted cameras, ideal for collision avoidance and vessel security
- **M-Series:** FLIR's family of premier pan and tilt, single and multi-sensor cameras are ideal for collision avoidance and situational awareness on the water
- **Voyager:** 2 thermal imagers, 1 low-light color camera and full gyro-stabilization
- **SeaFLIR:** Combat-proven, high-performance system with long-range thermal imager, daylight TV camera, and laser options

Why Thermal is Better

Thermal imaging cameras detect and display tiny differences in heat, not light. So no matter how much light is available—from pitch black to moonlight to severe midday glare—thermal imagers display clear infrared video. The "detectors"—the key to FLIR technology for decades—pick up the thermal energy emitted by everything, even ice! FLIR cameras then convert that data into the crisp infrared video you see on the display.



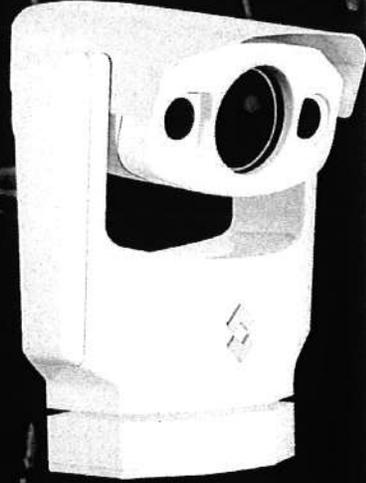
First Mate II
& First Mate MLS



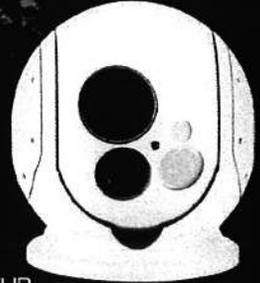
MD-Series



M-Series



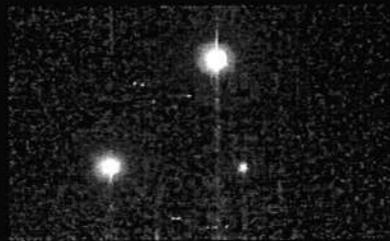
Voyager



SeaFLIR



Night Vision (NVG)



Infrared Illuminated (I²)



Thermal Image

Stay Safe.

MD-Series

- Affordable, fixed mount thermal imager
- Easy install and use
- Standard & high resolution thermal camera options
- Ethernet-enabled

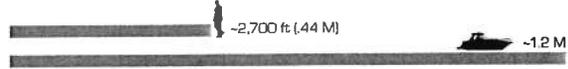


Detection Range Performance[†]

MD-324¹

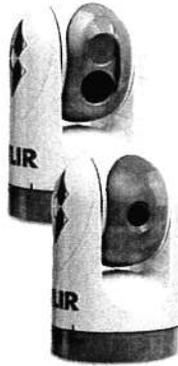


MD-324¹

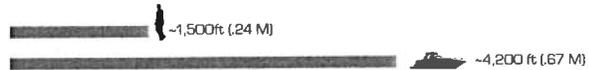


M-Series

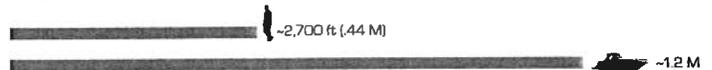
- Premium pan/tilt thermal imager
- Thermal only or thermal/lowlight multi-sensor configurations
- Standard- and high-resolution thermal camera options
- Network-ready
- Auto-scan feature
- Easy to use joystick control



M-324L & M-324XP



M-625L & M-625XP



M-612L & M-618CS^{1†}



Voyager

- Long-range
- Gyro-stabilized pan/tilt platform
- 2 thermal cameras
- Daylight/lowlight color camera
- Network-ready
- NMEA interfaces
- Radar slew-to-cue
- Video Tracker



Detection Range Performance[†]

Voyager III^{1†}



SeaFLIR

- Long range
- Thermal camera + choice of color CCD-TV camera, B/W Near-IR CCD-TV camera, or Laser Rangefinder
- Autotracker and Autoscanning features
- Gyro-stabilized platform
- Combat-proven, rugged, fully maritized turret



Contact FLIR for SeaFLIR Detection Range Performance information.

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Stay Safe.

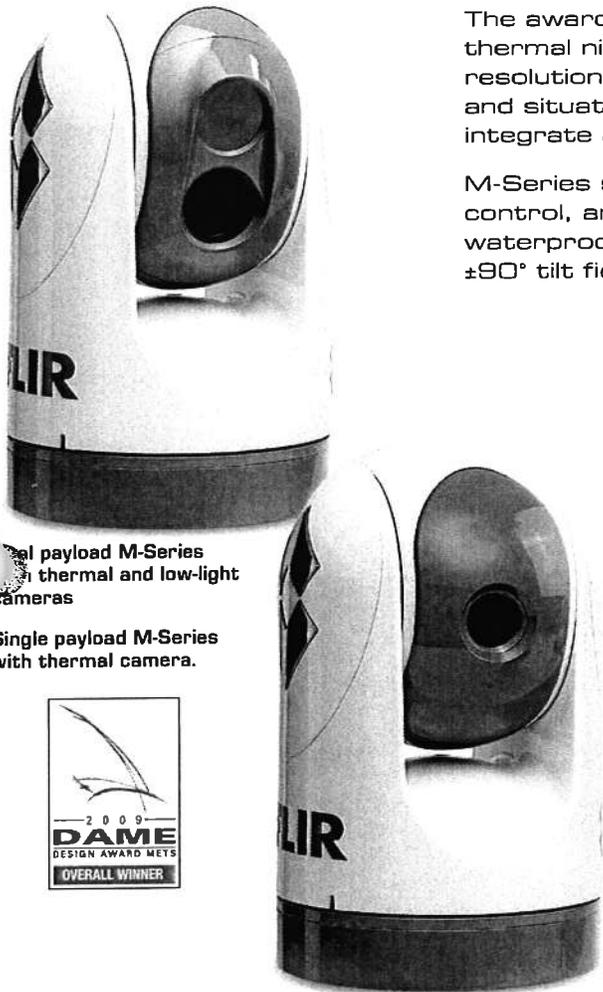
M-Series®

The award-winning M-Series is FLIR's premium line of maritime thermal night vision systems. Available with a variety of sensors and resolutions to meet a wide range of search and rescue, surveillance, and situational awareness needs, M-Series is easy to install, integrate and operate.

M-Series systems use Ethernet connectivity for easy installation, control, and interface with other onboard electronics. The rugged, waterproof gimbal enclosure provides a continuous 360° pan and a ±90° tilt field of regard for horizon-to-horizon visibility.

Key Features:

- Available in 320 x 240 standard resolution or 640 x 480 high-resolution thermal vision (higher resolution provides improved image detail and range performance).
- 2x e-zoom standard on all models (high-resolution models also include 4x e-zoom).
- Mount ball-up or ball-down.
- Dual-payload versions include extreme lowlight micro-lux TV camera for improved visibility in low ambient light.
- M-618CS includes gyro-stabilization, which provides steady imagery even in rough seas and is helpful for long-range viewing.



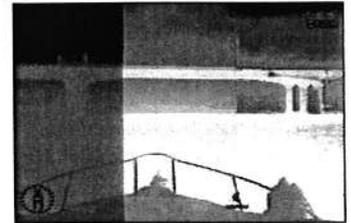
Dual payload M-Series thermal and low-light cameras

Single payload M-Series with thermal camera.



Black hot

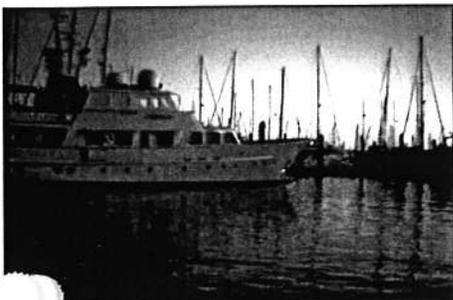
White hot



Red hot

Fusion

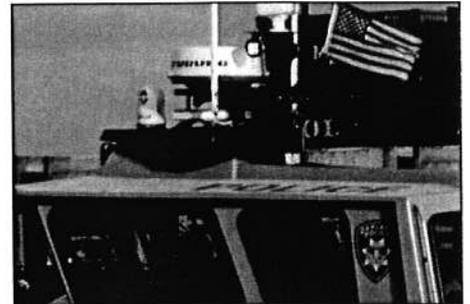
Rainbow



Low-light Video



High-resolution detail image



75

See at Night

MD-Series

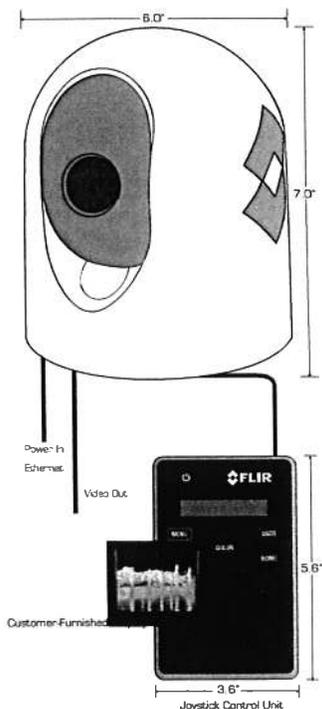
This affordable, fixed-mount thermal night vision system helps with steering around obstacles, collision avoidance and finding people in the water at night. Simple to mount and easy to integrate into your existing electronics, MD-Series' outputs standard analog video that can be easily displayed on any monitor at the helm or other monitors on the vessel.

Key Features:

- Available in 320 x 240 and 640 x 480 resolutions
- 2x e-zoom standard; 4x e-zoom included on MD-625
- Ethernet-enabled for simple integration into your current electronics
- Compact, all weather, water proof enclosure provides for easy mounting options
- Ball up or ball down mounting options



Thermal Imaging Specification	MD-324	MD-625
Sensor Type	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer
FOV	24° x 18° (NTSC)	25° x 20° (NTSC)
Focal Length	19 mm	25 mm
E-zoom	2x	2x, 4x
Image Processing	FLIR Proprietary Digital Detail Enhancement	
System Specifications		
Size	6" dia. x 7" ht.	
Weight	~ 3 lbs	
Pan/Tilt Adjustment Range	Pan: ±30° per key, Tilt: +34°, -27° (Locked in at Installation)	
Video Output	NTSC or PAL, 30 Hz or <9 Hz	
Connector Types	F-type BNC with BNC-to-RCA adapter included for video out	
Power Requirements	PoE injector required per IEEE 802.3af	
PoE Injector Power Requirement	12-24 VDC	
Power Consumption	4.8 W nominal; 12.5 W max	
Environmental		
Operating Temperature Range	-13°F to +131°F (-25°C to +55°C)	
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)	
Automatic Window Defrost	Standard at Power-Up	
Sand/Dust	Mil-Std-810E	
Water Ingress	IPx6 (heavy seas, powerful jets of water)	
Shock	15 g vertical, 9 g horizontal	
Vibration	IEC 60945; MIL-STD-810E	
Lightning Protection	Standard	
Salt Mist	IEC60945	
Wind	100 knot (115.2 mph)	
EMI	IEC 60945	
Thermal Range Performance		
Detect Man (1.8 m x 0.5 m)	~1,500 ft (0.24 nm)	~2,700 ft (0.44 nm)
Detect Small Vessel (2.3 m x 2.3 m)	~4,200 ft (0.67 nm)	~1.2 nm
Standard Package	Camera Head with 11" pigtails, 25' Analog Video cable, 25' Ethernet cable, PoE injector and Operator Manual CD	
Warranty	3 Year (with product registration)	
Optional Accessories	Low Smoke Zero Halogen Ethernet Cables	



Stay Safe.

Joystick Control Unit

Ergonomic, effortless control of all critical M-Series functions, even in rough conditions

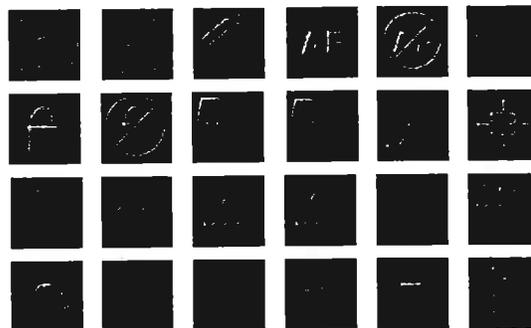
Color: Choose between two B/W or three color displays, whichever helps you see the best

Scene: Pre-set gain and level adjustments assure the best view in a variety of conditions

Joystick: Sealed 8-way control knob provides precise control in rough conditions

User: Programmable "hot key" provides instant access to most common functions

Home: Define "home" reference point during long periods of navigation



On-Screen Icons

Voyager uses FLIR's color on-screen symbology to let you see where the system is pointing, and to give you instantaneous updates regarding the camera's configuration and status.

Other Features:

- **Heated LCD Screen:** Instant, always legible system status display.
- **Auto Scan Controls:** Program automatic scan speed and pointing angle arc ranging from 20° to 80°
- **Ethernet Connectivity:** Install multiple control stations to control M-Series from anywhere on your Vessel

Note: Some models of Voyager feature alternate joystick control units.

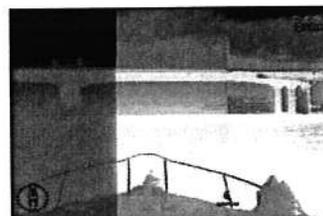


Black hot

White hot



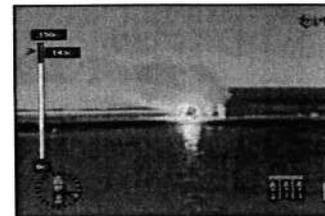
Video



Red hot

Fusion

Rainbow



Temperature Indication



Foveal View



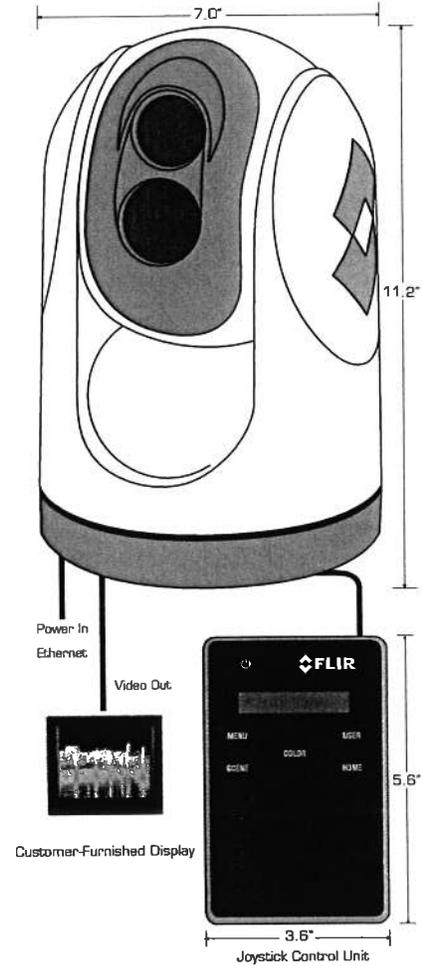
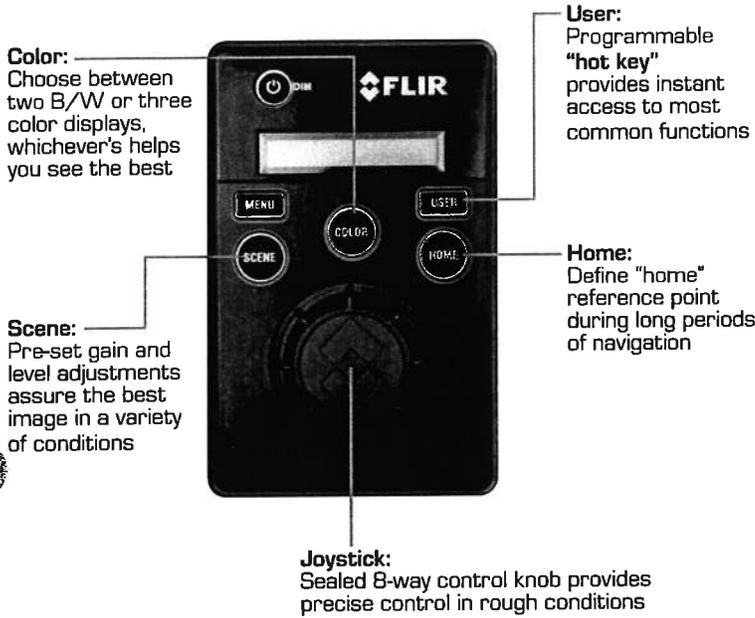
Video Tracker

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See at Night

Joystick Control Unit

Ergonomic, effortless control of all critical M-Series functions, even in rough conditions



Other Features:

- **Heated LCD Screen:** Instant, always legible system status display.
- **Auto Scan Controls:** Program automatic scan speed and pointing angle arc ranging from 20° to 80°
- **Ethernet Connectivity:** Install multiple control stations to control M-Series from anywhere on your Vessel



On-Screen Icons

M-Series uses FLIR's color on-screen symbology to let you see where the system is pointing, and to give you instantaneous updates regarding the camera's configuration and status.

Stay Safe.

M-Series



Thermal Imaging Specifications	M-324XP	M-625XP	M-324L	M-625L	M-618CS	M-612L
Sensor Type	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer	640 x 480 VOx Microbolometer	640 x 480 VOx Microbolometer
FOV	24° x 18° (NTSC)	25° x 20° (NTSC)	24° x 18° (NTSC)	25° x 20° (NTSC)	18° x 14° (NTSC)	12° x 10° (NTSC)
Focal Length	19 mm	25 mm	19 mm	25 mm	35 mm	50 mm
E-zoom	2x	2x & 4x	2x	2x & 4x	2x & 4x	2x & 4x
Image Processing	FLIR Proprietary Digital Detail Enhancement					
Daylight Imaging Specifications						
Detector Type	N/A		1/2" Interline Transfer Lowlight CCD			
Lines of Resolution			768 (H) x 494 (V)			
Minimum Illumination			100 µlx (@ f/1.4)			
FOV			Matched to IR			
System Specifications						
Size	7" dia. x 11.2" ht.			7" dia. x 11.4" ht.		7" dia. x 11.2" ht.
Weight	~ 9 lbs			~ 11.5 lbs		~ 9 lb
Pan/Tilt Coverage	360° Continuous Pan, +/-90° Tilt					
Video Output	NTSC or PAL					
Connector Types	BNC with BNC-to-RCA adapter included for video out					
Power Requirements	12 VDC to 24 VDC (-10%/+30%)					
Power Consumption	25 W nominal; 50 W max					
Environmental						
Operating Temperature Range	-13°F to +131°F (-25°C to +55°C)					
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)					
Automatic Window Defrost	Standard					
Sand/Dust	Mil-Std-810E					
Water Ingress	IPx6					
Shock	15 g vertical, 9 g horizontal					
Vibration	IEC 60945; MIL-STD-810E					
Lightening Protection	Standard					
Salt Mist	IEC60945					
Wind	100 knot (115.2 mph)					
EMI	IEC 60945					
Standard Package	Camera Head with 18-inch Pigtailed for Power, Analog Video, and Ethernet; Joystick Control Unit; Operator Manual					
Warranty	3 Year (with product registration)					
Optional Accessories	Dual Station JCU; Low Smoke, Zero Halogen Ethernet Cables; Standard Cat 5e Ethernet Cables; Top-Down Mounting Riser					
Range Performance¹						
Detect Man (1.8 m x 0.5 m)	~1,500 ft	~2,700 ft (0.44 nm)	~1,500 ft (0.24 nm)	~2,700 ft (820 m)	~3,900 ft (0.64 nm)	~4,000 ft (0.65 nm)
Detect Small Vessel (4.0 m x 1.5 m)	~4,200 ft (0.67 nm)	~1.2 nm	~4,200 ft (0.67 nm)	~1.2 nm	~1.7 nm	~1.74 nm



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See at Night

Improving Public Safety with Thermal Imaging

First responders need their vessels to be ready 24/7 to maintain public safety and to get the most out of the considerable investment they've made in their craft. Unfortunately, after sunset or in foul weather or in smoke and fog, that vessel's capabilities and mission effectiveness are severely compromised. Yet, simply by adding a FLIR thermal imager, total on-mission hours and overall effectiveness are radically improved at a fraction of the cost of adding a new vessel to meet the public need. More lives can be saved and waterways can be safer in all types of difficult scenarios without endangering your vessel or crew.

Uninterrupted, quality information is the key to good outcomes in critical situations. With a FLIR thermal imager, you know how close the shoreline is; the distance from pilings, docks, floating debris, or boats riding at

anchor; where fellow officers or suspects are at all times; and where people in need of rescue are floating in the water.

First responders have to be on the water when no one should be on the water. You have to put yourself in dangerous situations to save or protect people who are the victims of bad decision-making, foul weather, or tragic accidents over which they had no control. More often than not, you're a last hope. Ironically, you spend a lot of time trying to find people who desperately want to be found or people who will put you and others in danger to remain hidden. It's a job and a life that many people cannot fathom but that you wouldn't trade for anything.

FLIR understands this and that's why we make thermal imaging systems that keep you and your public safe at the end of the day...whenever that may be.



Voyager II Radar Tracking



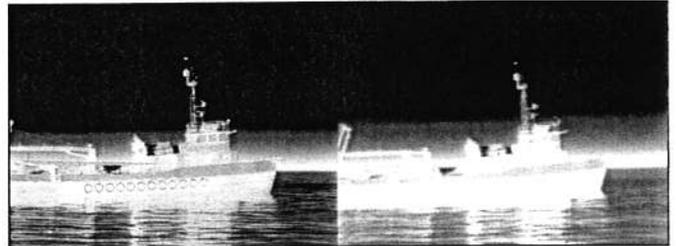
Voyager Remote Internet Access Interface





Resolution Matters

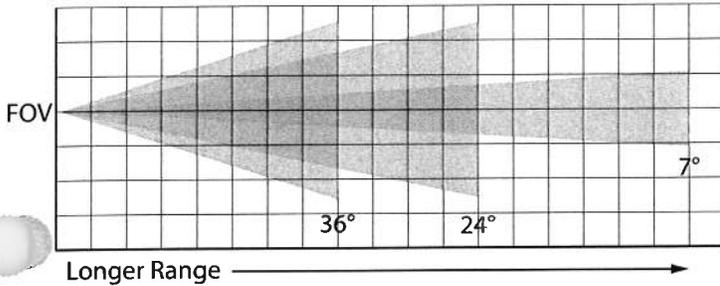
When people talk about a thermal camera's resolution, they're talking about the number of pixels used to capture thermal energy. The bigger the number, the higher the camera's resolution. The higher the resolution, the more pixels you have gathering energy. This means that a higher resolution camera will typically let you see more detail, see smaller objects, and see them from farther away.



640 x 480

320 x 240

What's a Field of View, and Why Do I Care?



A camera's field of view (FOV) is the angular measurement of the area the lens can see. The wider the FOV the more you can see from side to side; the narrower the FOV the farther away you can see things. So, a 24° FOV is good for general viewing, collision avoidance, and hazard or man overboard detection, while a 7° FOV is better for seeing other vessels, hazards, and obstructions from farther away. While narrower fields of view help you see farther, they need to be steady to be most effective, so they can be more difficult to use as seas get heavier.



19mm lens at 50yds



35mm lens at 50yds



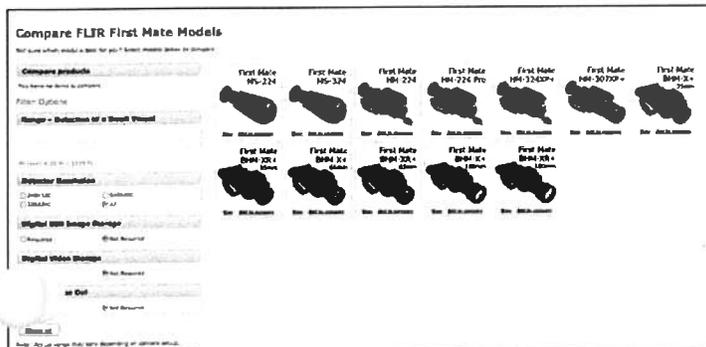
65mm lens at 50yds



100mm lens at 50yds

FLIR.com/FirstResponder

There's no better way to fully comprehend the power of thermal imaging than to try a camera for yourself. The next best thing is watching thermal video, which is exactly what you can do at www.FLIR.com/FirstResponder. You can also try the First Mate II Product Selector and thermal simulator, read about the different ways thermal imaging is used in a maritime environment, and learn more about all FLIR thermal night vision systems for maritime use.



Compare products online with the First Mate II Product Selector



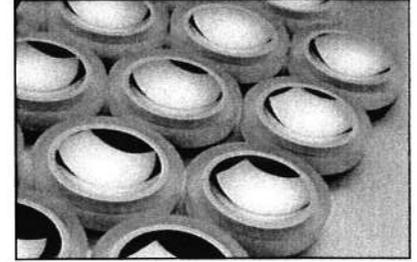
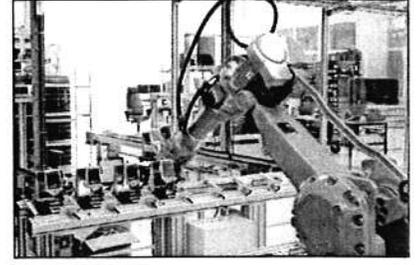
Visit FLIR.com/FirstResponder and try the new Maritime Thermal Simulator

About FLIR Systems

As the world's largest commercial infrared company, FLIR Systems has fielded more high-quality maritime thermal night vision systems than anyone in the world. Our rugged, stabilized imagers are on thousands of civil and maritime platforms in the U.S. and around the world, more than every other manufacturer combined.

With thousands of our thermal cameras on the job in military, scientific, law enforcement, and security applications, FLIR brings an unmatched level of experience and dedication to the creation of cutting-edge thermal night vision systems. We design and manufacture all critical technologies inside our products, including detectors, electronics, and special lenses, and we assemble it all right here in the U.S.

Whether you're heading out early, coming home late, or cruising around the clock, FLIR has a thermal night vision system to meet your needs.



 **FLIR**[®]
www.FLIR.com/FirstResponder

PORTLAND
Corporate Headquarters
FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 877.545.5094

NASDAQ: FLIR

Lakes Region Fire Apparatus Inc.

P.O. Box 970
W. Ossipee, NH 03890

QUOTATION

Quote Number: 72031
Quote Date: Dec 20, 2012
Page: 1

Voice: 603-323-7117
Fax: 603-323-7447

Quoted To:
MOULTONBOROUGH FIRE DEPT PO BOX 446 MOULTONBOROUGH, NH 03254

Customer ID	Good Thru	Payment Terms	Sales Rep
MOULTONBOROUGH	1/19/13	Net 10 Days	

Quantity	Item	Description	Unit Price	Amount
		Quote for		
		Provide & install 4ea 3" x 1/2" stainless machined rope loops one each body comer		
		Note: lead time for machining 4+ weeks		
		ARO		
4.00		3" x 1/2 stainless rope loops	485.00	1,940.00
8.00	1/2X11/2SSBOLT	1/2 X 11/2 SS BOLT	1.38	11.04
8.00	1/2WASHERFLATSS	1/2 WASHER FLAT STAINLESS	0.49	3.92
8.00	1/2WASHERLOCK	1/2 WASHER LOCK	0.31	2.48
3.00	SERVICE LABOR-FIRE:	TECHNICIAN TIME BILLED	80.00	240.00
			Subtotal	2,197.44
			Sales Tax	
			TOTAL	2,197.44

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Survivor® LED Flashlight

Flash: 8 hours continuous; Moonlight: 20 days continuous

FL 1 STANDARD	HIGH	LOW
	175 LUMENS	60 LUMENS
	4h	15h
	379m	219m
	36,000cd	12,000cd

ALKALINE MODEL

CLASS I, DIVISION 1, GROUPS C & D;
CLASS I, DIVISION 2, GROUPS A, B, E, F;
CLASS II, DIVISION 2, GROUPS F & G;
CLASS III, TEMPERATURE CODE: T4

CLASS I, DIVISION 1, GROUPS C & E, EXIA;
CLASS I, DIVISION 2, GROUPS A, B, E, F;
CLASS II, DIVISION 2, GROUPS F & G;
CLASS III, TEMPERATURE CODE: T4

PERMISSIBLE FLASHLIGHT
(WITH ALKALINE BATTERIES ONLY)
APPROVAL NO. Z9-A300001-0
TESTED FOR INTRINSIC SAFETY
IN METHANE-AIR MIXTURES ONLY.

FL 1 STANDARD	HIGH	LOW
	175 LUMENS	60 LUMENS
	3h 30min	13h
	379m	219m
	36,000cd	12,000cd

RECHARGEABLE MODEL

CLASS I, DIVISION 1, GROUPS C & D;
CLASS I, DIVISION 2, GROUPS A, B, E, F;
CLASS II, DIVISION 2, GROUPS F & G;
CLASS III, TEMPERATURE CODE: T4

CLASS I, DIVISION 1, GROUPS C & E, EXIA;
CLASS I, DIVISION 2, GROUPS A, B, E, F;
CLASS II, DIVISION 2, GROUPS F & G;
CLASS III, TEMPERATURE CODE: T4

NFPA CHARGER MEETS REQUIREMENTS OF
NFPA 1203-1.1, 1.2 (2005)
MOUNTED IN ANY POSITION

MEETS APPLICABLE EUROPEAN
COMMUNITY DIRECTIVES

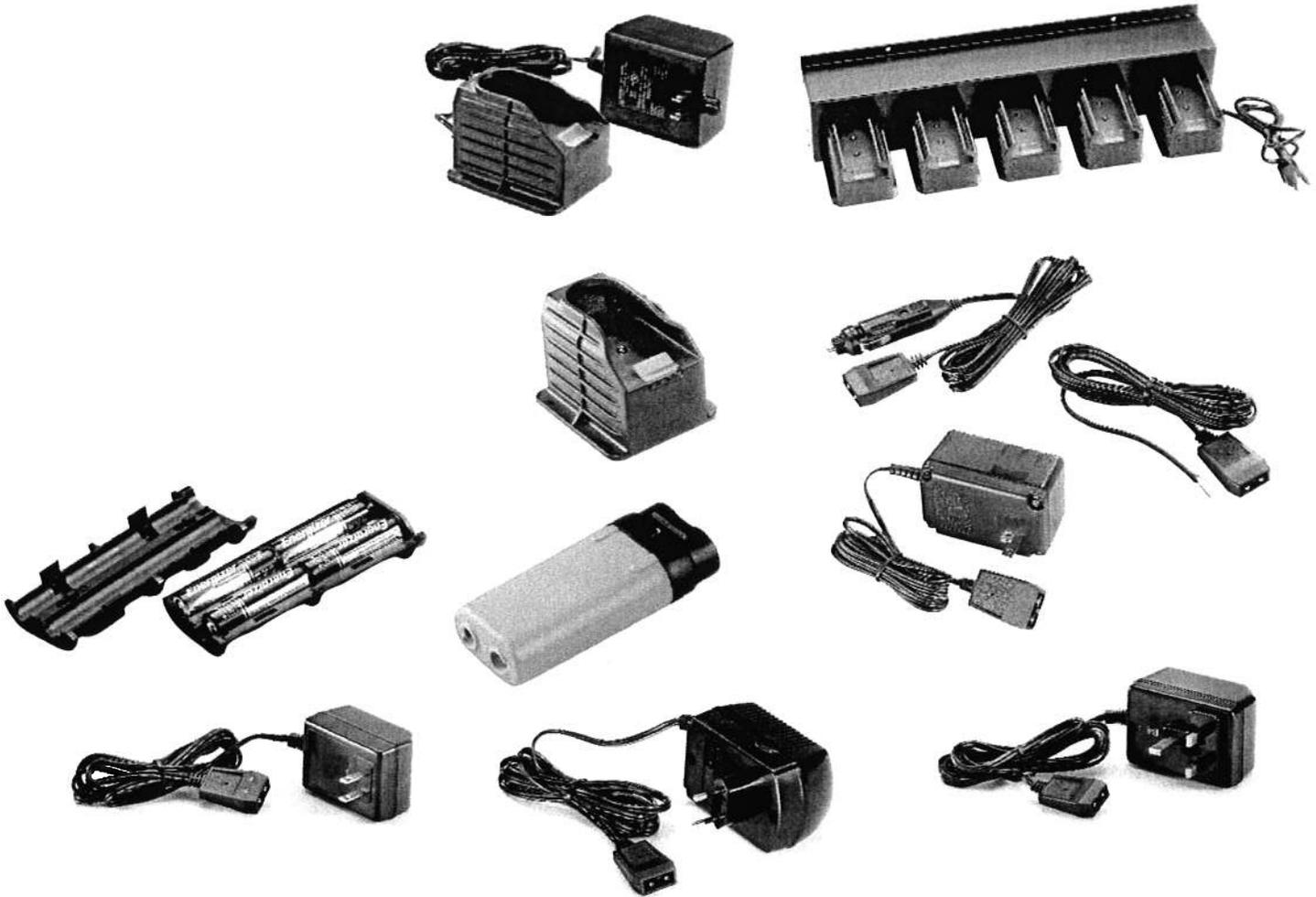


- Case Material:** Housing, base and battery housing made from high impact super tough nylon offering exceptional durability. All openings are O-ring sealed for weather resistance. Spring loaded clip with built in ring easily attaches to belts and harnesses. Unbreakable polycarbonate lens with silicone anti-scratch coating is assembled in a heavy duty bezel. O-ring sealed. Available in international safety orange, high visibility yellow or black.
- Dimensions/** Height: 7.06 in. (17.92 cm); Height in charger: 8.67 in. (22.02 cm); Width: 2.85 in. (7.24 cm); Diameter: 2.87 in. (7.29 cm) Grip area: Height: 3.6 in. (9.14 cm); Thickness: 1.35 in. (3.43cm); Width: 2.20 in. (5.59 cm)
- Weight:** NiCd: 17.9 oz (508 grams)*, Alkaline: 13.1 oz (371 grams)*
- Light Source:** C4® LED technology, impervious to shock with a 50,000 hour lifetime
Deep-dish parabolic reflector produces narrow beam; ideal for smoke-cutting applications. Optimum peripheral illumination to aid in navigation.
Sonic welded push button switch designed for extremely long life.
- Four lighting modes:**
High for super-bright, concentrated, far-reaching beam; ideal for smoke cutting applications
Low for when less light is needed and longer run times
Locator strobe light to signal your location - runs 8 hours
Moonlight for low-level lighting and battery conservation - runs 20 days
- On/Off:** Raised push-button switch for easy use with gloves.
- Battery:** Industrial rechargeable nickel-cadmium 4.8 volt, 1.8 amp hour, 4 cell sub-C rechargeable up to 1,000 times. Optional four "AA" alkaline battery pack provides fast replacement with readily available batteries.
- Charging:** One-hour fast chargers with full charge indicators designed specifically for AC or DC power sources.
- Features:**
- IPX4 rated design; water resistant
 - 2 meter impact resistance tested.
- Warranty:** Streamlight warrants this product to be free of defects for a lifetime of use except for batteries and bulbs, abuse and normal wear. We will repair, replace or refund the purchase price of this product should we determine it to be defective. This limited lifetime warranty also excludes rechargeable batteries, chargers, switches and electronics which have a 2 year warranty with proof of purchase. THIS IS THE ONLY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARE EXPRESSLY DISCLAIMED EXCEPT WHERE SUCH LIMITATION IS PROHIBITED BY LAW. You may have other specific legal rights which vary by jurisdiction

Item	UPC	Part #
Steady Charge with AC/DC charger/holder		
Survivor LED 230V - Yellow	080926-90515-3	90515
Survivor LED 240V - Yellow	080926-90516-0	90516
Survivor LED 120V - Yellow	080926-90513-9	90513
Survivor LED 100V - Yellow	080926-90517-1	90517
Survivor LED 230V - Orange	080926-90505-4	90505
Survivor LED 230V - Orange (ATEX)	080926-90548-1	90548
Survivor LED 240V - Orange	080926-90506-1	90506
Survivor LED 240V - Orange (ATEX)	080926-90549-8	90549
Survivor LED 120V - Orange	080926-90503-0	90503
Survivor LED 100V - Orange	080926-90507-8	90507
Survivor LED 100V - Orange (ATEX)	080926-90550-4	90550
Survivor LED 230V - Black	080926-90525-2	90525
Survivor LED 240V - Black	080926-90526-9	90526
Survivor LED 120V - Black	080926-90523-8	90523
Survivor LED 100V - Black	080926-90527-6	90527

Item	UPC	Part #
Fast Charge with AC		
Survivor LED 120V - Yellow	080926-90512-2	90512
Survivor LED 120V - Orange	080926-90502-3	90502
Survivor LED 120V - Black	080926-90522-1	90522
Survivor LED - Yellow	080926-90519-1	90519
Survivor LED - Orange (ATEX)	080926-90552-8	90552
Survivor LED - Black	080926-90528-3	90528
Survivor LED - Orange	080926-90509-2	90509
Without Charger		
Survivor LED - Yellow	080926-90510-8	90510
Survivor LED - Orange	080926-90500-7	90500
Survivor LED - Orange (ATEX)	080926-90553-5	90553
Survivor LED - Black	080926-90520-7	90520
Alkaline Model		
Survivor LED - Yellow	080926-90541-2	90541
Survivor LED - Orange	080926-90540-5	90540
Survivor LED - Orange (ATEX)	080926-90555-9	90555
Survivor LED - Black	080926-90545-0	90545

See reverse for additional part numbers



Item	UPC	Part #
DC2 direct wire charge cord (All Rechargeables)	080926-22050-8	22050
DC1 Charge Cord (All Rechargeables)	080926-22051-5	22051
120V AC charge cord	080926-22311-0	22311
240V AC charge cord	080926-22241-0	22241
230V AC charge cord	080926-22664-7	22664
100V AC charge cord	080926-22666-1	22666
Steady Charge (SC) Plug-In Charger Holder **Cords not included	080926-90010-3	90010
AC Fast Charger (Includes Holder)	080926-90011-0	90011
DC #1 Fast Charger (Includes Holder)	080926-90012-7	90012
DC #2 Fast Charger (Includes Holder)	080926-90013-4	90013
Steady Charge (SC) PiggyBack® Charger **Cords not included	080926-90110-0	90110
AC PiggyBack® Fast Charger	080926-90111-7	90111
DC #1 PiggyBack® Fast Charger	080926-90112-4	90112
DC #2 PiggyBack® Fast Charger	080926-90113-1	90113
Battery Pack Assembly (Blue Sleeve, NiCd Battery) Div 1	080926-90130-8	90130
Battery Pack Assembly (Black Sleeve, NiCd Battery) Div 2	080926-90338-8	90338
Bank Charger (SC) 120V AC	080926-90400-2	90400
Bank Charger (SC) 230V AC	080926-90600-6	90600
Bank Charger DC	080926-90401-9	90401
Survivor LED alkaline battery pack (Batteries not included)	080926-90542-9	90542

Fire Vulcan® LED Rechargeable Lantern

Specific lighting needs require specific tools. With the right lighting tool, you can identify potential or existing problems before they interrupt your ability to get the job done. In addition the costs savings of using the right tool over time will benefit your bottom line.

LEDs don't require periodic bulb replacement like incandescents and are virtually indestructible. Streamlight's revolutionary C4 technology combined with an innovative Streamlight-engineered reflector provides sharp, focused light that rivals incandescent intensity without giving up the durability and longevity of an LED. Since LEDs have a long life and won't burn out or won't break, they never need to be replaced. Your light will always be ready when you need it. More powerful and more economical, Streamlight rechargeable LED lighting tools pack a lot more power with ultra-bright white beams and long illumination times. They are extremely dependable and cost-efficient.

The brightest and the lightest rechargeable LED lantern in its class! It weighs just 1.85 pounds and delivers 80,000 candela peak beam intensity. C4 technology produces an ultra-bright beam that's 5 times brighter than competing lights. Life-saving bright blue tail lights ensure you can be seen from any direction, even in thick smoke.

Case Material: High-impact ABS thermoplastic housing with rubberized cushioned-grip handle.

Dimensions/Weight: Length: 7.50 in. (19.05 cm) Width: 5 in. (12.7 cm) Height: 6.50 in. (16.51 cm) 1.85 lbs (839 grams) with battery ~ it floats!

Light Source: C4® LED technology, impervious to shock with a 50,000 hour lifetime. Two (2) ultra bright blue LEDs.

Light Output: High: 80,000 candela peak beam intensity; 145 lumens
 Low: 40,000 candela peak beam intensity; 70 lumens
 Deep-dish parabolic reflector produces a tight beam with optimum peripheral illumination to aid in navigation.
 Optimized electronics provide regulated intensity.

Battery/Run Time: Two (2) lightweight Lithium-Ion nanotechnology cells. Recharges in 5 hrs.

Steady High LED & tail lights: Up to 3 hours of runtime to the 10% output level.

Steady Low LED & tail lights: Up to 7 hours of runtime to the 10% output level.

Steady High LED only: Up to 3.5 hours of runtime to the 10% output level.

Blinking High LED only: Up to 5 Hours of runtime to the 10% output level.

Blinking tail lights only: Up to 20 hours of runtime.

On/Off Push and hold momentary toggle switch to access 8 Modes of operation.

Left Modes:

- (Optional Programmable 2, 3 or 4)
- 1-Steady High LED/Steady tail lights
- 2-Steady Low LED/Steady tail lights
- 3-Steady High LED/No tail lights
- 4-No LED/Steady tail lights

Right Modes:

- (Optional Programmable 2, 3 or 4)
- 1-Steady High LED/Blinking tail lights
- 2-Steady Low LED/Blinking tail lights
- 3-Blinking High LED/No tail lights
- 4-No LED/Blinking tail lights

Models: Standard System - Includes quick release buckle strap, charging rack and both AC and DC chargers.

Vehicle Mount System - Includes quick release buckle strap and 12V DC vehicle-mountable direct wire charging rack.

Features: IPX7 Rated design (1 meter for 30 minutes).
 Ultra lightweight at 1.85 lbs. Lantern floats.
 Serialized for positive identification.

Approvals:** USTC Class I, Div. 2, Grps. A,B,C,D; Class II, Div. 2, Grps. F,G; Class III T-Code: T4
 Most models meet applicable European Community Directives.
 Rack meets requirements of NFPA 1901-14.1.11.2 (2003) mounted in any position.

Warranty: Streamlight warrants this product to be free of defects for a lifetime of use except for batteries and bulbs, abuse and normal wear. We will repair, replace or refund the purchase price of this product should we determine it to be defective. This limited lifetime warranty also excludes rechargeable batteries, chargers, switches and electronics which have a 2 year warranty with proof of purchase. **THIS IS THE ONLY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES ARE EXPRESSLY DISCLAIMED EXCEPT WHERE SUCH LIMITATION IS PROHIBITED BY LAW.** You may have other specific legal rights which vary by jurisdiction.



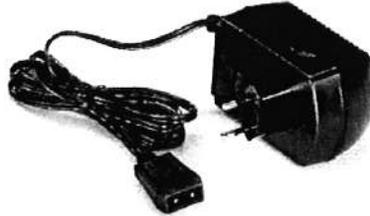
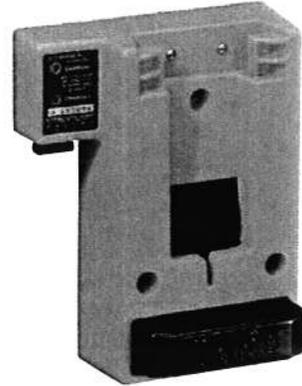
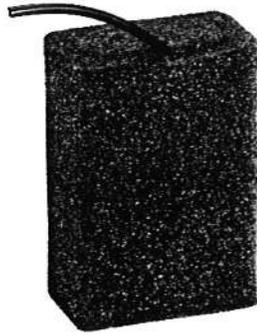
Item	UPC	Part #
Fire Vulcan LED Standard System 120V w/ quick release shoulder strap. AC/DC. Orange	080926-44450-8	44450
Fire Vulcan LED Vehicle Mount System 12V w/ quick release shoulder strap. DC. Orange	080926-44451-5	44451
Fire Vulcan LED Standard System 230V w/ quick release shoulder strap AC/DC Orange	080926-44452-2	44452
Fire Vulcan LED Standard System 240V w/ quick release shoulder strap AC/DC Orange	080926-44453-9	44453
Fire Vulcan LED Standard System 100V w/ quick release shoulder strap AC/DC Orange	080926-44455-3	44455
Fire Vulcan (WITHOUT CHARGER) w/ quick release shoulder strap. Orange	080926-44454-6	44454

See reverse side for additional part numbers

Designed and Assembled In The USA



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Item	UPC	Part #
DC2 direct wire charge cord	080926-22050-8	22050
DC1 Charge Cord	080926-22051-5	22051
120V AC charge cord	080926-22311-0	22311
240V AC charge cord	080926-22241-0	22241
230V AC charge cord	080926-22664-7	22664
100V AC charge cord	080926-22666-1	2266
Battery	080926-44610-6	44610
Quick Release Strap	080926-44050-0	44050
Charging Rack - Orange	080926-44101-9	44101
Direct Wire 12V DC Mounting Rack - Orange	080926-44131-6	44131
Shoulder Strap	080926-45232-9	45232

Fire Vulcan® Rechargeable Lantern

Specific lighting needs require specific tools. With the right lighting tool, you can identify potential or existing problems before they interrupt your ability to get the job done. In addition the costs of using the right tool over time will benefit your bottom line.

There is a real need to cut costs wherever possible, yet we cannot afford to forget about environmental issues. Streamlight rechargeable lighting tools make good economic environmental sense. Over time they cost significantly less to operate; and they reduce the amount of batteries used, thereby relieving the problem of battery disposal. Therefore you will not only save on the cost of batteries, you'll save the time that's wasted when you discover your light isn't working - and the steps involved in getting and replacing batteries. More powerful and more economical, Streamlight rechargeables pack a lot more power, are more dependable and more cost-efficient

In a smoke-filled room, it's not only important that you can see – it's critical that you can be seen. In addition to the high-intensity halogen lamp, the rechargeable Fire Vulcan has two powerful, ultra-bright LED taillights. Your partners can follow you through the thickest smoke; and they can find you fast in an emergency. The toggle switch makes it easy to go between strobe and steady modes, so you can use it to increase visibility at a fire or accident scene or signal for help.

Case Material: High-impact ABS thermoplastic housing with rubberized cushioned-grip handle.

Dimensions: Length: 7.50 in. (19.05 cm) Width: 5 in. (12.7 cm) Height: 6.50 in. (16.51 cm)

Weight: 3.3 lbs (1.5 kg) with battery

Light Source: High-intensity halogen bi-pin 8 watt spot with 100 hour life time, and (2) two ultra bright Blue LEDs

Light Output: 80,000 candela peak beam intensity 8W spot bi-pin bulb; 150 lumens

Battery/Run Time: Zero-maintenance 4.5 Ah sealed lead-acid battery rechargeable up to 500 times.

Up to 3 hours (Steady Halogen and LEDs)

Up to 6 hours (Blinking Halogen and LEDs)

Up to 60 hours (LEDs only)

Models: Standard System - Includes quick release buckle strap, charging rack and both AC and DC chargers.

Vehicle Mount System - Includes quick release buckle strap and 12 V DC vehicle-mountable direct wire charging rack.

- Approvals**:
- Factory Mutual (FM) approved for Class I, II, III, Division 2.
 - Canadian Standards Association (CSA) certified for Class I, II, Division 2; Class III.
 - Rack meets requirements of NFPA 1901-12-1.7 (1999) mounted in any position.
 - Most models meet applicable European Community Directives and ATEX Zone 2

Warranty: Limited lifetime warranty.



**With battery (included in purchase).*

Assembled in USA

Item	UPC	Part #
Standard System with quick release shoulder strap. AC/12V DC.		
Fire Vulcan Standard System 230V (8WS) Orange	080926-44410-2	44410
Fire Vulcan Standard System 230V (8WF) Orange	080926-44404-1	44412
Fire Vulcan Standard System 230V (3WS/T-4) Orange (ATEX Approved)	080926-44404-1	44404
Fire Vulcan Standard System 240V (3WS/T-4) Orange (ATEX Approved)	080926-44406-5	44406
Fire Vulcan Standard System 240V (8WS) Orange	080926-44404-1	44403
Fire Vulcan Standard System 100V (3WS/T-4) Orange (ATEX Approved)	080926-44407-2	44407
Fire Vulcan Standard System 100V (8WS) Orange	080926-44425-6	44425
Fire Vulcan Standard System 120V (8WS) Orange	080926-44400-3	44400
Vehicle Mount System with quick release shoulder strap. 12V DC.		
Fire Vulcan Vehicle Mount System 12V DC (3WS/T-4) Orange (ATEX Approved)	080926-44405-8	44405
Fire Vulcan Vehicle Mount System 12V DC (8WS) Orange	080926-44401-0	44401
Fire Vulcan Light Only - (8WS) Orange	080926-44411-9	44411
<i>See reverse for additional part numbers</i>		



Item	UPC	Part #
DC2 direct wire charge cord	080926-22050-8	22050
DC1 Charge Cord	080926-22051-5	22051
120V AC charge cord	080926-22311-0	22311
240V AC charge cord	080926-22241-0	22241
230V AC charge cord	080926-22664-7	22664
100V AC charge cord	080926-22666-1	2266
Battery	080926-44007-4	44007
Quick Release Strap	080926-44050-0	44050
Charging Rack - Orange	080926-44101-9	44101
Direct Wire 12V DC Mounting Rack - Orange	080926-44131-6	44131
Shoulder Strap	080926-45232-9	45232
8 Watt Bi-Pin Bulb (100 Hr)	080926-45901-4	45901