

PYROLATER

HX-IDS-MF-307-D

ATEX Qualified Thermal Camera for Firefighters



System specifications

SENSOR TYPE	Uncooled VOx FPA
RESOLUTION	640 pixels x 512 pixels
SPECTRAL RANGE	7 μ m ... 14 μ m
NETD	<40 mK
OPTICS	Ge + AR; f = 7,5 mm; F1,2
PROTECTIVE IR WINDOW	Ge + AR
ZOOM (digital)	x2; x4
FOV (Field Of View)	H: 72°; V: 57°; D: 92°

DISPLAY

DISPLAY TYPE	3,5" color LCD
RESOLUTION	640 pixel x 480 pixel
BACKLIGHT	LED
PROTECTIVE WINDOW	dissipative polycarbonate

TEMPERATURE MEASUREMENT

RANGE I.	-40°C ... +150°C
RANGE II.	-40°C ... +800°C
APPLICATION MODE I.	Fire mode (main colorization: +120°C...+800°C)
APPLICATION MODE II.	Color contrast mode (relative colorization)
APPLICATION MODE III.	Persons mode (main colorization: +28°C...+40°C)

LASER POINTER

COLOR	red (650 nm)
OPTICAL POWER	cca. 1 mW (Class 2)
LASER BEAM SPOT AT 5 m	cca. 10 mm

APPROVALS

ATEX	Zone 2, Ex II3G, Ex ic IIC T4 Gc
ATEX (with Laser pointer)	Zone 2, Ex II3G, Ex ic opis IIC T4 Gc
EMC	according to Directive 2004/108/EC
ENCLOSURE PROTECTION CLASS	IP67
ENGINEERING, TESTING	taking into account the NFPA 1801 (not certified)
RECHARGEABLE BATTERY	Li-ion according to Directive 2006/66/EC

OTHER DATA

OPERATION TIME	cca. 4 hours
OPERATING TEMPERATURE	-30°C ... +60°C
TEMPERATURE SHOCK (IN INACTIVE STATE)	max. +260°C (for 5 min)
CHARGING TECHNOLOGY	Qi wireless charging in the case
CHARGING TIME (0% ... 100)	max. 14 hours
POWER SUPPLY (TO THE TRANSPORT CASE)	10 VDC ... 30 VDC
MAINS POWER ADAPTER	230 VAC
WEIGHT	1,4 kg (w/o crawling plate) / 1,9 kg (w/ crawling plate)
ENCLOSURE MATERIAL	aluminium

ACCESSORIES

TRANSPORT CASE	MIL-STD 810, STANAG 4280, MSZ EN 60529 (IP67) certification
CHARGING PLATFORM	in the transport case
MAINS POWER ADAPTER	230 VAC / 15 VDC
RETRACTABLE LANYARD	stainless steel w/ nylon coating; max. 19 N retraction force
NECK STRAP	with carabner clips
CLEANING TOOL FOR OPTICS	LensPen

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