

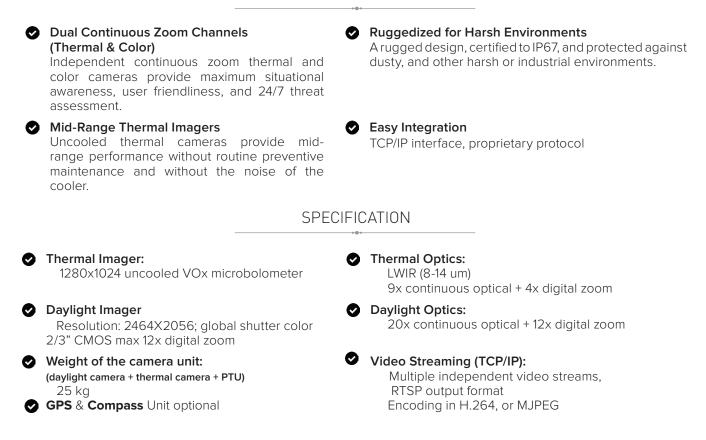


The Bordercam-225 Enhanced is a market-leading mid-range dual-sensor electro-optical surveillance system. This unique system combines an advanced high-resolution uncooled continuous zoom thermal camera with a mid-range daylight camera on an accurate pan-tilt unit.

The Bordercam-225 Enhanced offers best in its class detection and recognition without the required regular maintenance, ensuring low cost of ownership. Typical applications for this system include fixed installation, vehicle integration or man portable operation for forward observation, surveying borders, airports, refineries, power plants, and other sensitive installations.

This camera is integrated with ADAMS Sensor Management System. The Ethernet interface makes it easy to integrate into third party systems as well.

BENEFITS



SPECIFICATIONS

UNCOOLED THERMAL CAMERA SPECIFICATION		FHD DAYLIGHT CAMERA SPECIFICATION	
sensor type	uncooled VOx microbolometer	sensor type	global shutter 2/3" CMOS
spectral response	LWIR (8-14um)	resolution	max.2464x2056
pixelpitch size	12um	dynamic range	71dB
resolution	1280x1024 pixel	optical zoom	20x
NETD	<50mK	digital zoom	12x
lens type	motorized continuous zoom and focus	horizontal angle of view	38.6-2.05° (optical)
optical zoom	9x	DRI ranges	8000 m (identification 1.8x0.6m human 12x4px)
horizontal angle of view	34.8-3.85° (optical)		
digital zoom	4x		10000 m (identification 2.3x2.3m NATO 12x12px)
DRI ranges	 2500 m (identification 1.8x0.6m human 12x4px) 3500 m (identification 2.3x2.3m NATO 12x12px) 5000 m (recognition 1.8x0.6m human 6x2px) 7000 m (recognition 2.3x2.3m NATO 6x6px) 10000 m (detection 1.8x0.6m human 3x1px) 20000 m (detection 2.3x2.3m NATO 2x2px)" 	image processing	 >16000 m (recognition 1.8x0.5m human 6x2px) >20000 m (recognition 2.3x2.3m NATO 6x6px)" >30000 m (detection 1.8x0.5m human 3x1px) >30000 m (detection 2.3x2.3m NATO 2x2px)" digital stabilization, AF, AE, AWB
image processing	digital stabilization, auto NUC, colorpalettes (whitehot, black- hot)	PAN AND TILT UNIT	qe ∞ x 360°
Situation Awareness	Movement recognition function	tilt ran	

GENERAL	
working temperature range	-30+50°C
storage temperature range	-40+65°C
power requirement	24VDC, Thermal 45W; Daylight 55W; PTU 250W (typical) Heater 80W (optional)
interface	Gbit Ethernet
video format	MJPEG/h.264/RTSP
sealing	IP67

Capability - on /off

PAN AND TILT UNIT				
pan range		∞ x 360°		
tilt range		-45+45°		
pan angular speed		0.029 70 °/s		
tilt angular speed		0.019 28.6 °/s		
positioning accuracy		<0.25 mrad		
resolution		0.012 mrad		
LRF SPECIFICATION				
measuring range	50-15000m			
accuracy	+/- 1m			
multiple targets detection	max 5 targets / measurement			
eye safety	Class 1			

DRI ranges have been determined without taking into account the atmospheric conditions.

The actual picture on this brochure is only illustration.

Optional use of teleconverter can affect the DRI and FOI values

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