



*Leica* BLK  
Geosystems



# LEICA BLK247 x5 & i5

SMART 3D SURVEILLANCE SYSTEM



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## SMART 3D SURVEILLANCE SYSTEM

	<b>BLK247 x5</b>	<b>BLK247 i5</b>
		
<b>Usage</b>	Indoor & Outdoor	Indoor
<b>Housing colour</b>	black	white
<b>RGB Cameras</b>	✓	✓
<b>IR Cameras</b>	✓	x
<b>LiDAR</b>	✓	✓

### DESIGN & PHYSICAL

	<b>BLK 247 x5</b>	<b>BLK247 i5</b>
<b>Housing</b>	black powder coated aluminium	white powder coated aluminium
<b>Weight</b>	1460 g (3.218 lbs.)	1380 g (3.042 lbs.)
<b>Device Height</b>	189 mm (7.44 in.)	
<b>Device Diameter</b>	Bottom part: 140 mm (5.5 in.) Lighthouse: 80 mm (3.25 in)	

### ELECTRICAL SPECIFICATION

<b>Power supply</b>	Power consumption: 51 W(max) Power supply options: Power over Ethernet (PoE +); IEEE 802.3bt, Type 3, Class 6 Power supply over I/O port 48 V DC 1.06 A
<b>Alarm output I/O Connector</b>	Solid state relay Max. working voltage 40 V DC/AC Max. switch current at different working voltages: 5 V: max. 200 mA 12 V: max. 100 mA 24 V: max. 50mA

### RGB IMAGING & VIDEO

<b>Image sensor</b>	2-camera system, RGB
<b>Type</b>	Fisheye lens
<b>Single camera resolution</b>	12 mega pixel
<b>Field of view</b>	360° x 180° (stitched image)
<b>Stream resolution</b>	1080p / 720p
<b>Frame rate</b>	10/15/20/25/30 fps

<b>H264 profile</b>	HIGH / MAIN / BASELINE
<b>Image adjustment</b>	Auto
<b>Privacy masking</b>	Black/white

### LiDAR

<b>Laser Class</b>	Laser Class 1 (in accordance with IEC 60825-1)
<b>Wavelength</b>	830 nm
<b>Field of View</b>	360° x 270°
<b>Range</b>	30 m (98.4 ft.)
<b>Point Measurement Rate</b>	200,000 pts/s
<b>Accuracy</b>	6 - 10 mm (0.24 in. - 0.39 in.)

### ENVIRONMENTAL

	<b>BLK247 x5</b>	<b>BLK247 i5</b>
<b>IP rating</b>	IP55/65/67	--
<b>Operating temperature</b>	-15° C to 40° C (5° F to 104° F)	10° C to 35° C (50° F to 95° F)
<b>Storage temperature</b>	-25° to 70° C (-13° to 158° F)	
<b>Humidity</b>	Max 95% non-condensing	
<b>Working altitude</b>	Unlimited	

### IR IMAGING & VIDEO

<b>Image sensor</b>	4-camera system
<b>Emmissivity</b>	Adjustable
<b>Single camera resolution</b>	80 x 64 pixel
<b>Field of view</b>	360° x 136° (stitched image panorama) 88° x 70° (1 single image panorama)
<b>Measurable temperature range</b>	-20°C to 1000°C (-4° F to 1832° F)
<b>Stream resolution</b>	720 x 480
<b>Frame Rate</b>	2 fps

### CONTROL CENTER FEATURES

- Recommended web browser: Google Chrome™
- General device settings
- Device status
- Definition of restricted areas
- Scheduling of restricted areas & feature activation
- Events list and download of event attachments