

IRIS+ Edge

Edge 10 Datasheet

🕒 15min

IRIS+ Edge10 datasheet

IRIS+ Edge10 is a compact appliance with pre-loaded Irisity software, that connects ONVIF / RTSP fixed IP cameras from the camera's network to IRIS+ video analytics solution.



Irisity Edge 10

Number of supported cameras

The number of cameras supported depends on the following factors:

- Video Streaming Profile
 - H.264 @ 720P @ 8 FPS



IRIS+

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- H.265 @ 1080P @ 15 FPS
 - H.265 @ 1080P @ 30 FPS

If you use any other streaming profile, set a secondary streaming profile with one of the abovementioned options

- Scene Activity Level
 - Low
 - Medium
 - High

See Appendix A for scene activity level examples

Number of supported cameras						
Compression	H.264			H.265 /		
Video Streaming Profile	720P / 8 FPS	1080P / 15 FPS	1080P / 30 FPS	720P / 8 FPS	1080P / 15 FPS	1080P / 30 FPS
Scene Activity Level - Low	16	10	8	14	8	7
Scene Activity Level - Medium	13	8	6	11	6	5
Scene Activity Level - High	7	5	4	6	4	4

IRIS+ Part Numbers

IEDG-10 (256GB Storage): IRIS+ Edge 10 Compact Analysis Appliance

Bandwidth Considerations

Average Required bandwidth per channel:

- 5 kbps upload
- 0.5 kbps download

Additional upload bandwidth:

- Real-Time Event Detections: ~500 KB per event
- Live View in IRIS+ GUI: ~300 Kbps per camera

Maximum allowed latency from the IRIS+ Edge to the cloud:

- 2 seconds

Supported camera characteristics

- Resolution: up to 4K
- Frame Rate: 8 FPS is the minimal supported frame rate
- Video stream width should be divisible by 4
- The current maximum allowed aspect ratio is 4:1

Network considerations

- Cameras connected to IRIS+ Edge must have static IP addresses (dynamic IP allocation may result in service discontinuity)
- The cameras network must allow outgoing HTTPS traffic through port 443

Hardware

Hardware	
Network Ports	Gigabit Ethernet
Input Power	100-240V
Power Supply	65 Watt (External), power cord included
Dimensions & Weight	Size: 7.2 × 1.4 × 7 in / 182 × 36 × 178 mm. Weight: 2.6 lb / 1.18 kg
Temperature	Operating temperature: 41° to 95° F (5° to 35° C)

Security protocol

Communication between IRIS+ Edge 10 and the IRIS+ Cloud

- TLS 1.3

Warranty

- Warranty The warranty is provided by DELL.

- You may check the warranty status here: <https://www.dell.com/support/home/>.
- Enter the Service Tag # as appears on the sticker located on the side of the unit

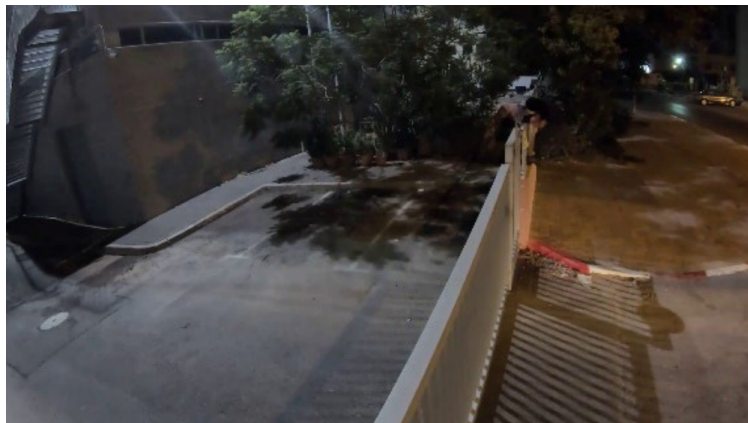
Appendix A: Scene Activity Level - Examples

Scene activity refers to the number of objects in a frame, as measured over time. It is defined in the following levels: Low, Medium, and High. The following screenshots and related short video clips show two examples per each level:

Low



Perimeter Intrusion



Gate intrusion

Medium



Small-Mid size city traffic - scene 1



Small-Mid size city traffic - scene 2

High



Highway



Multi-level intersection

The tables above do not contain all features and functionalities of IRIS+ Edge, nor do they specify all design aspects that may affect or limit some of the features or functionalities. Additional information is available on [Irisity.com](https://www.irisity.com), including IRIS+ Product Brochure and extended documentation and manuals which are available to partners only. For specific queries, please contact sales@irisity.com

Irisity reserves the right to change the product specification at its sole discretion at any time.