

Irisity IRIS AI Core Apps - Intrusion Detection Specifications

The calculation is based on the following expected framework:

average height of persons of interest: Ca. 1,75 m

installation height of the camera: 3-5 m

Model / Camera Lens	focal length	Vertical FoV	Horizontal FoV	Min. resolution	Max. resolution	Irisity App Resolution	Intrusion Distance (Person)
4K Day Sensor Modules							
MOBOTIX M73 / S74 - 120° 4K Day Sensor Module	4mm	60°	120°	320x240	3840x2160	640x480	17 m
MOBOTIX M73 / S74 - 95° 4K Day Sensor Module	5mm	50°	95°	320x240	3840x2160	640x480	26 m
MOBOTIX M73 / S74 - 60° 4K Day Sensor Module	8mm	33°	60°	320x240	3840x2160	640x480	50 m
MOBOTIX M73 / S74 - 45° 4K Day Sensor Module	10mm	25°	45°	320x240	3840x2160	640x480	70 m
MOBOTIX M73 / S74 - 30° 4K Day Sensor Module	15mm	17°	30°	320x240	3840x2160	640x480	108 m
MOBOTIX M73 / S74 - 15° 4K Day Sensor Module	28mm	8,5°	15°	320x240	3840x2160	640x480	219 m
4K Night Sensor Modules							
MOBOTIX M73 / S74 - 120° 4K Night Sensor Module	4mm	60°	120°	320x240	3840x2160	640x480	17 m
MOBOTIX M73 / S74 - 95° 4K Night Sensor Module	5mm	50°	95°	320x240	3840x2160	640x480	26 m
MOBOTIX M73 / S74 - 60° 4K Night Sensor Module	8mm	33°	60°	320x240	3840x2160	640x480	50 m
MOBOTIX M73 / S74 - 45° 4K Night Sensor Module	10mm	25°	45°	320x240	3840x2160	640x480	70 m
MOBOTIX M73 / S74 - 30° 4K Night Sensor Module	15mm	17°	30°	320x240	3840x2160	640x480	108 m
MOBOTIX M73 / S74 - 15° 4K Night Sensor Module	28mm	8,5°	15°	320x240	3840x2160	640x480	219 m
4K Day/Night Sensor Modules							
MOBOTIX M73 / S74 - 120° 4K Day/Night Sensor Module	4mm	60°	120°	320x240	3840x2160	640x480	17 m
MOBOTIX M73 / S74 / D71 - 95° 4K Day/Night Sensor Module	5mm	50°	95°	320x240	3840x2160	640x480	26 m
MOBOTIX M73 / S74 / D71 - 60° 4K Day/Night Sensor Module	8mm	33°	60°	320x240	3840x2160	640x480	50 m
MOBOTIX M73 / S74 / D71 - 45° 4K Day/Night Sensor Module	10mm	25°	45°	320x240	3840x2160	640x480	70 m
MOBOTIX M73 / S74 / D71 - 30° 4K Day/Night Sensor Module	15mm	17°	30°	320x240	3840x2160	640x480	108 m
MOBOTIX M73 / S74 / D71 - 15° 4K Day/Night Sensor Module	28mm	8,5°	15°	320x240	3840x2160	640x480	219 m
4MP Ultra Low Light Sensor Modules							
MOBOTIX M73 / S74 - 120° 4MP ULL Sensor Module	4mm	60°	120°	320x240	2688x1512	640x480	17 m
MOBOTIX M73 / S74 / D71 - 95° 4MP ULL Sensor Module	5mm	50°	95°	320x240	2688x1512	640x480	26 m
MOBOTIX M73 / S74 / D71 - 60° 4MP ULL Sensor Module	8mm	33°	60°	320x240	2688x1512	640x480	50 m
MOBOTIX M73 / S74 / D71 - 45° 4MP ULL Sensor Module	10mm	25°	45°	320x240	2688x1512	640x480	70 m
MOBOTIX M73 / S74 / D71 - 30° 4MP ULL Sensor Module	15mm	17°	30°	320x240	2688x1512	640x480	108 m
MOBOTIX M73 / S74 / D71 - 15° 4MP ULL Sensor Module	28mm	8,5°	15°	320x240	2688x1512	640x480	219 m
Thermal Sensor Modules							
MOBOTIX M73 / S74 - 45° CIF Thermal T/R Sensor Module	10mm	35°	45°	320x240	336x256	336x256	34 m
MOBOTIX M73 / S74 - 25° CIF Thermal T/R Sensor Module	15mm	19°	25°	320x240	336x256	336x256	65 m
MOBOTIX M73 / S74 - 17° CIF Thermal T/R Sensor Module	28mm	13°	17°	320x240	336x256	336x256	96 m
MOBOTIX M73 / S74 - 90° VGA Thermal T/R Sensor Module	5mm	69°	90°	320x240	640x480	640x480	29 m
MOBOTIX M73 / S74 - 69° VGA Thermal T/R Sensor Module	8mm	56°	69°	320x240	640x480	640x480	42 m
MOBOTIX M73 / S74 - 45° VGA Thermal T/R Sensor Module	10mm	37°	45°	320x240	640x480	640x480	70 m
MOBOTIX M73 / S74 - 30° VGA Thermal T/R Sensor Module	15mm	26°	30°	320x240	640x480	640x480	107 m
MOBOTIX M73 / S74 - 105° CIF ECO Sensor Module	4mm	75°	105°	320x240	320x240	320x240	11 m
MOBOTIX M73 / S74 - 56° CIF ECO Sensor Module	8mm	42°	56°	320x240	320x240	320x240	27 m
MOBOTIX M73 / S74 - 24° CIF ECO Sensor Module	9,1mm	18°	24°	320x240	320x240	320x240	68 m