



Mantis

Array Camera Systems



	Mantis 70	Mantis 150
Resolution	107 Megapixels	107 Megapixels
Framerate	30 fps	30 fps
FOV	71°x21°	153°x23°
Microcamera		
Image Sensor	1/2.5" 4K Progressive Scan CMOS	1/2.5" 4K Progressive Scan CMOS
Minimum Illumination (lux)	Color: 0.1LUX B/W: 0.01LUX	Color: 0.1LUX B/W: 0.01LUX
Latency	600ms	600ms
Microcamera focal lengths f/number	18x 25mm + 1x 3.5mm f/2.4	16x 16mm + 2x 3.5mm f/1.8
Processing		
Processor	10x NVIDIA™ TX1	10x NVIDIA™ TX1
Bandwidth	100-600 Mbits/s H.264/H.265 2-7 Gbits/s MJPEG	100-600 Mbits/s H.264/H.265 2-7 Gbits/s MJPEG
Environmental		
Operating Temperature Range	-20-55°C	-20-55°C
Storage Temperature Range	-30-65°C	-30-65°C
Humidity Range	5%-90%	5%-90%
Moisture Resistance/Rating	IP66	IP66
Mechanical		
Power Consumption	100 Watts	100 Watts
Weight	8 kg	8 kg

- Real-time and forensic zoom over entire FOV
- Multi-user streaming of independent viewing windows
- Open platform with extensible programming capabilities
- 3rd party integration into video management systems through the ONVIF standard