











Axis pan/tilt/zoom cameras

	AXIS Q87 Series						AXIS Q86 Series			
	AXIS Q8742-E, zoom	AXIS Q8742-LE, zoom	AXIS Q8742-E	AXIS Q8742-LE	AXIS Q8741-E	AXIS Q8741-LE	AXIS Q8685-E	AXIS Q8685-LE	AXIS Q8642-E	AXIS Q8641-E
										
Max. video resolution	Visual: 1920x1080 Thermal: 640x480	Visual: 1920x1080 Thermal: 640x480	Visual: 1920x1080 Thermal: 640x480	Visual: 1920x1080 Thermal: 640x480	Visual: 1920x1080 Thermal: 384x288	Visual: 1920x1080 Thermal: 384x288	1920x1080	1920x1080	640x480	384x288
Sensor size/Lens/ Horizontal field of view	Visual: 1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2° Thermal: Uncooled microbolometer Athermalized 35-105 mm 18°-6°	Visual: 1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2° Thermal: Uncooled microbolometer Athermalized 35-105 mm 18°-6°	Visual: 1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2° Thermal: Uncooled microbolometer Athermalized 35 mm 17°	Visual: 1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2° Thermal: Uncooled microbolometer Athermalized 35 mm 17°	Visual: 1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2° Thermal: Uncooled microbolometer Athermalized 35 mm 10.5°	Visual: 1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2° Thermal: Uncooled microbolometer Athermalized 35 mm 10.5°	1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2°	1/2.8", 4.3-129 mm, F1.6-4.7 65.6°- 2°	Uncooled microbolometer Athermalized 60 mm 10°	Uncooled microbolometer Athermalized 35 mm 10.7°
Day and night	-	-	-	-	-	-	✓	✓	-	-
Min. illumination (lux) Color/B&W	Visual: 0.2/0.01	Visual: 0.2/0.01	Visual: 0.2/0.01	Visual: 0.2/0.01	Visual: 0.2/0.01	Visual: 0.2/0.01	0.2/0.01	0.2/0.01	-/-	-/-
Max. frames per second	Visual: 25/30 Thermal: 8.3/30 ¹	Visual: 25/30 Thermal: 8.3/30 ¹	Visual: 25/30 Thermal: 8.3/30 ¹	Visual: 25/30 Thermal: 8.3/30 ¹	Visual: 25/30 Thermal: 8.3/30 ¹	Visual: 25/30 Thermal: 8.3/30 ¹	50/60	50/60	8.3/30 ¹	8.3/30 ¹
Pan/Tilt	360° endless / -90° to +45°	360° endless / -90° to +45°	360° endless / -90° to +45°	360° endless / -90° to +45°	360° endless / -90° to +45°	360° endless / -90° to +45°	360° endless / -90° to +45° -45° to +90° (inverted configuration)	360° endless / -90° to +45° -45° to +90° (inverted configuration)	360° endless / -90° to +45°	360° endless / -90° to +45°
Optical zoom	Visual: 30 Thermal: 3	Visual: 30 Thermal: 3	Visual: 30	Visual: 30	Visual: 30	Visual: 30	30	30	-	-
Sensitivity	NETD < 50 mK	NETD < 50 mK	NETD < 50 mK	NETD < 50 mK	NETD < 70 mK	NETD < 70 mK	-	-	NETD < 50 mK	NETD < 70 mK
Detection range (m/yd)	3056/3342 ² 9371/10248 ³	3056/3342 ² 9371/10248 ³	1079/1179 3307/3617 ³	1079/1179 3307/3617 ³	1028/1124 ² 3153/3448 ³	1028/1124 ² 3153/3448 ³	-	-	1833/2005 ² 5623/6149 ³	1028/1124 ² 3153/3448 ³
Product specific analytics (for standard analytics, see page 43)	Video Motion Detection	Video Motion Detection	Video Motion Detection	Video Motion Detection	Video Motion Detection	Video Motion Detection	Advanced Gatekeeper Standard analytics	Advanced Gatekeeper Standard analytics	Video Motion Detection	Video Motion Detection
Power	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
In-/output ports	4	4	4	4	4	4	4	4	4	4
Operating temperature	-50 °C to 55 °C (-58 °F to 131 °F)	-50 °C to 55 °C (-58 °F to 131 °F)	-50 °C to 55 °C (-58 °F to 131 °F)	-50 °C to 55 °C (-58 °F to 131 °F)	-50 °C to 55 °C (-58 °F to 131 °F)	-50 °C to 55 °C (-58 °F to 131 °F)	-50 °C to 55 °C (-58 °F to 131 °F)	-50 °C to 55 °C (-58 °F to 131 °F)	-40 °C to 60 °C (-40 °F to 140 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
Outdoor ready approvals	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X	IP66/NEMA 4X
WDR	Visual: Forensic Capture	Visual: Forensic Capture	Visual: Forensic Capture	Visual: Forensic Capture	Visual: Forensic Capture	Visual: Forensic Capture	Forensic Capture	Forensic Capture	-	-
Lightfinder	-	-	-	-	-	-	-	-	-	-
Zipstream/ H.264/H.265	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OptimizedIR/Built-in IR	- / -	- / ✓	- / -	- / ✓	- / -	- / ✓	- / -	- / ✓	- / -	- / -
Special features	RJ45 and SFP interfaces Visual: Focus recall	RJ45 and SFP interfaces Visual: Focus recall	RJ45 and SFP interfaces Visual: Focus recall	RJ45 and SFP interfaces Visual: Focus recall	RJ45 and SFP interfaces Visual: Focus recall	RJ45 and SFP interfaces Visual: Focus recall	Electronic image stabilization, Shock detection Focus recall, RJ45 and SFP interfaces	Electronic image stabilization Shock detection Focus recall RJ45 and SFP interfaces	Electronic image stabilization Shock detection Palette setting	Electronic image stabilization Shock detection Palette setting

1. Up to 30 fps within EU, Norway, Switzerland, Canada, USA, Japan, Australia, New Zealand. Up to 8.3 fps in other countries. Frame rate above 9 fps may be subject to export control regulations
 2. Detection range measured for humans, 1.8 x 0.5 m, calculated with Johnson's criteria
 3. Detection range measured for vehicles, 4 x 1.5 m, calculated with Johnson's criteria