



QUAD1.1SCGE-CM16

Quad GigE

High-Speed Recording

The Quad is part of a new generation of high-speed recording cameras. While offering excellent high-speed performance, this rugged camera is very compact and can withstand higher shock and vibration loads. The high download speed of the GigE interface allows the playback of the recordings without delay on the PC screen. The high-speed recording time depends on the memory capacity of the model.

Technical Highlights:

- high resolution
- very high high-speed frame rates
- very light sensitive image sensor
- suitable for application with high shock and vibration loads

SPECIFICATIONS

Resolution [MP]	1.1 MP
Resolution (h x v)	1280 x 864 px
Frame rate (max.)	2500 fps

PINOUT MATING CONNECTOR

Chroma	color
Interface	GigE Vision

SENSOR

Sensor	LUX13HS
Manufacturer	Luxima
Sensor type	Area CMOS
Shutter type	global shutter
Sensor size (h x v)	17.54 x 11.84 mm
Optical diagonal	21.16 mm
Sensor format	4/3 "
Pixel size (h x v)	13.7 x 13.7 µm

FRAME RATES

1280 x 864	2500 fps
1280 x 720	3000 fps
1024 x 768	2813 fps
640 x 480	4501 fps
512 x 512	4219 fps
320 x 240	9002 fps
128 x 128	16879 fps

CAMERA

Exposure modes	timed, trigger width, External
Trigger modes	Manual, External analog Voltage, External TTL, Acc
Exposure time (min)	1 µs
Exposure time (max)	1 sec (external ∞)
Pixel format / max	bayer8 / 8 bit
Internal memory	16000 MB SDRAM
Recording time	4.96 s

FEATURE SET

AOI	yes
Shading correction	yes
Defect pixel correction	yes

HOUSING

Lens mount	C-Mount
Dimensions (w x h x d)	65 x 65 x 120 mm
Weight	500 g
Ambient temperature	-10 to 45 °C
Ambient humidity	10 to 90 % (non-condensing)
Shock / Vibration proof	20 g /2 grms
Protection class	IP30

I/O-INTERFACES

Power supply	10 to 30 V (DC)
Power consumption	11 W (dep. on operating mode)



For more information please contact:



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 14 Steinway Blvd., Unit 7
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QUAD1.1SCGE-CM8

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SPECIFICATIONS

Resolution [MP]	1.1 MP
Resolution (h x v)	1280 x 864 px
Frame rate (max.)	2500 fps

PINOUT MATING CONNECTOR

Chroma	color
Interface	GigE Vision

SENSOR

Sensor	LUX13HS
Manufacturer	Luxima
Sensor type	Area CMOS
Shutter type	global shutter
Sensor size (h x v)	17.54 x 11.84 mm
Optical diagonal	21.16 mm
Sensor format	4/3 "
Pixel size (h x v)	13.7 x 13.7 µm

FRAME RATES

1280 x 864	2500 fps
1280 x 720	3000 fps
1024 x 768	2813 fps
640 x 480	4501 fps
512 x 512	4219 fps
320 x 240	9002 fps
128 x 128	16879 fps

CAMERA

Exposure modes	timed, trigger width, External
Trigger modes	Manual, External analog Voltage, External TTL, Acc
Exposure time (min)	1 µs
Exposure time (max)	1 sec (external ∞)
Pixel format / max	bayer8 / 8 bit
Internal memory	8000 MB SDRAM
Recording time	2.48 s

FEATURE SET

AOI	yes
Shading correction	yes
Defect pixel correction	yes

HOUSING

Lens mount	C-Mount
Dimensions (w x h x d)	65 x 65 x 120 mm
Weight	500 g
Ambient temperature	-10 to 45 °C
Ambient humidity	10 to 90 % (non-condensing)
Shock / Vibration proof	20 g /2 grms
Protection class	IP30

I/O-INTERFACES

Power supply	10 to 30 V (DC)
Power consumption	11 W (dep. on operating mode)



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QUAD1.1SCGE-FGM16

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Frame rate (max.)	2500 fps

PINOUT MATING CONNECTOR

Chroma	color
Interface	GigE Vision

SENSOR

Sensor	LUX13HS
Manufacturer	Luxima
Sensor type	Area CMOS
Shutter type	global shutter
Sensor size (h x v)	17.54 x 11.84 mm
Optical diagonal	21.16 mm
Sensor format	4/3 "
Pixel size (h x v)	13.7 x 13.7 µm

FRAME RATES

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640 x 480	4501 fps
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320 x 240	9002 fps
128 x 128	16879 fps

CAMERA

Exposure modes	timed, trigger width, External
Trigger modes	Manual, External analog Voltage, External TTL, Acc
Exposure time (min)	1 µs
Exposure time (max)	1 sec (external ∞)
Pixel format / max	bayer8 / 8 bit
Internal memory	16000 MB SDRAM
Recording time	4.96 s

FEATURE SET

AOI	yes
Shading correction	yes
Defect pixel correction	yes

HOUSING

Lens mount	FG-Mount
Dimensions (w x h x d)	65 x 65 x 120 mm
Weight	550 g
Ambient temperature	-10 to 45 °C
Ambient humidity	10 to 90 % (non-condensing)
Shock / Vibration proof	20 g /2 grms
Protection class	IP30

I/O-INTERFACES

Power supply	10 to 30 V (DC)
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Frame rate (max.)	2500 fps

PINOUT MATING CONNECTOR

Chroma	color
Interface	GigE Vision

SENSOR

Sensor	LUX13HS
Manufacturer	Luxima
Sensor type	Area CMOS
Shutter type	global shutter
Sensor size (h x v)	17.54 x 11.84 mm
Optical diagonal	21.16 mm
Sensor format	4/3 "
Pixel size (h x v)	13.7 x 13.7 µm

FRAME RATES

1280 x 864	2500 fps
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CAMERA

Exposure modes	timed, trigger width, External
Trigger modes	Manual, External analog Voltage, External TTL, Acc
Exposure time (min)	1 µs
Exposure time (max)	1 sec (external ∞)
Pixel format / max	bayer8 / 8 bit
Internal memory	8000 MB SDRAM
Recording time	2.48 s

FEATURE SET

AOI	yes
Shading correction	yes
Defect pixel correction	yes

HOUSING

Lens mount	FG-Mount
Dimensions (w x h x d)	65 x 65 x 120 mm
Weight	550 g
Ambient temperature	-10 to 45 °C
Ambient humidity	10 to 90 % (non-condensing)
Shock / Vibration proof	20 g /2 grms
Protection class	IP30

I/O-INTERFACES

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Resolution [MP]	1.1 MP
Resolution (h x v)	1280 x 864 px
Frame rate (max.)	2500 fps

PINOUT MATING CONNECTOR

Chroma	mono
Interface	GigE Vision

SENSOR

Sensor	LUX13HS
Manufacturer	Luxima
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Shutter type	global shutter
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CAMERA

Exposure modes	timed, trigger width, External
Trigger modes	Manual, External analog Voltage, External TTL, Acc
Exposure time (min)	1 µs
Exposure time (max)	1 sec (external ∞)
Pixel format / max	mono8 / 8 bit
Internal memory	8000 MB SDRAM
Recording time	2.48 s

FEATURE SET

AOI	yes
Shading correction	yes
Defect pixel correction	yes

HOUSING

Lens mount	C-Mount
Dimensions (w x h x d)	65 x 65 x 120 mm
Weight	500 g
Ambient temperature	-10 to 45 °C
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Pixel format / max	mono8 / 8 bit
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Recording time	2.48 s

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