

GT6600/6600C



GIG[®]
VISION

Description

PRELIMINARY

NEW: High sensitivity 29 Megapixel KAI camera for outdoor imaging

The Prosilica GT6600 is a 29 Megapixel camera with a Gigabit Ethernet Vision®). The GT6600 is a rugged camera designed to operate in ex

- | Truesense KAI-29050 sensor
- | Power over Ethernet (PoE)
- | Ethernet surge suppression
- | Gamma, multiple LUT, color correction
- | Metadata (Chunk data)
- | Clock synchronization (IEEE1588)
- | Wide operating temperature range
- | Global shutter (digital shutter)

Models:

- GT6600, 6576 x 4384, 4 fps, CCD mono
- GT6600, 657 x 4384, 4 fps, CCD color

Specifications

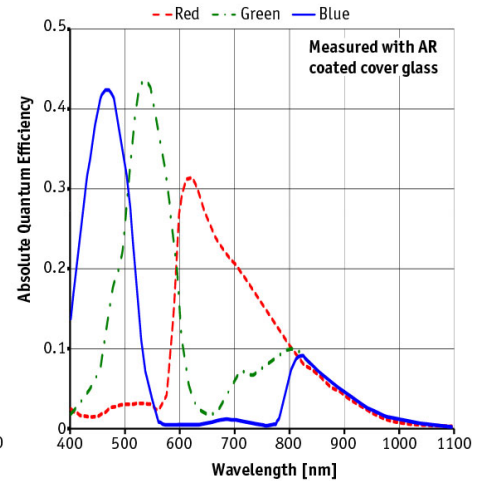
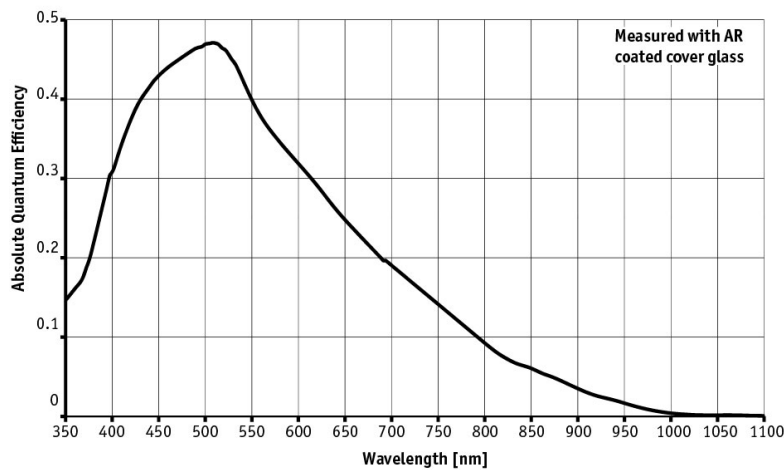
Prosilica GT

6600

Interface	IEEE 802.3 1000baseT
Resolution	6576 x 4384
Sensor	Truesense KAI-29050
Sensor type	CCD Progressive
Sensor size	Type 35 mm
Cell size	5.5 µm
Lens mount	F-Mount (M58 optional)
Max frame rate full resolution	4 fps
A/D	14 bit
On-board FIFO	128 MB
Output	
Bit depth	8/14 bit
Mono modes	Mono8, Mono12Packed, Mono16
Color modes YUV	YUV411, YUV422, YUV444
Color modes RGB	RGB24, BGR24, RGBA32, BGRA32
Raw modes	Bayer8, Bayer12Packed, Bayer16
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 2 outputs
Opto-coupled I/Os	1 input, 2 outputs
RS-232	1
Operating conditions/Dimensions	
Operating temperature	-20°C ... +50°C
Power requirement (DC)	PoE, or 7.25 VDC
Power consumption (12 V)	6.6 W @12 VDC
Mass	372 g
Body Dimension (L x W x H in mm)	96 x 66 x 53.3 (including connectors, w/o tripod and lens)
Regulations	CE, FCC Class A, RoHS (2002/95/EC)

[Download the Prosilica GT6600 technical drawing](#)

[Download the Prosilica GT6600 \(M58 Mount\) technical drawing](#)



Smart features

The Prosilica GT6600 features include:

- | Auto exposure
- | Auto gain
- | Auto white balance
- | Flexible binning
- | Region of Interest (ROI) readout
- | StreamBytesPerSecond (easy bandwidth control)
- | Stream hold
- | Asynchronous external trigger and sync I/O
- | Power over Ethernet (PoE)
- | Ethernet surge suppression
- | Gamma
- | Multiple LUT
- | Color correction
- | Metadata (Chunk data)
- | Clock synchronization (IEEE1588)
- | Recorder and multiframe acquisition modes

Applications

The Prosilica GT6600 is ideal for a wide range of applications including:

- Outdoor imaging
- Traffic imaging / ITS
- Public security and surveillance
- Industrial inspection
- Machine vision
- Military and space applications