

## GT6600/6600C



### Description

#### **NEW: High sensitivity 29 Megapixel KAI camera for outdoor imaging**

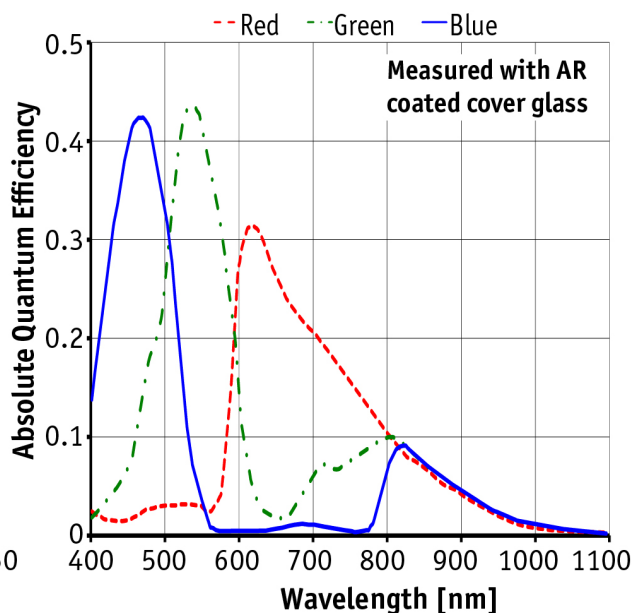
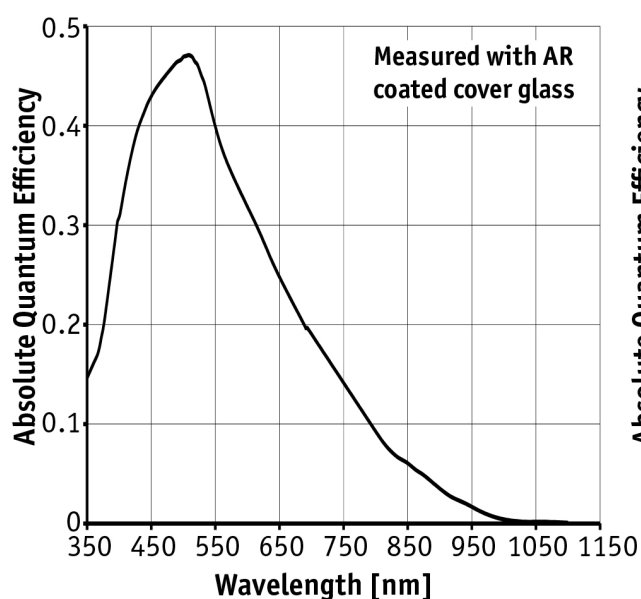
The Prosilica GT6600 is a 29 Megapixel camera with a Gigabit Ethernet interface (GigE Vision®). The GT6600 is a rugged camera designed to operate in extreme environments.

- 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)
- Camera temperature monitoring
- **Models:**
  - GT6600, 6576 x 4384, 4 fps, CCD mono
  - GT6600C, 6576 x 4384, 4 fps, CCD color

## Specifications

Prosilica GT 6600	
Interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
Resolution	6576 x 4384
Sensor	Truesense KAI-29050
Sensor type	CCD Progressive
Sensor size	Type 35 mm
Cell size	5.5 $\mu$ m
Lens mount	F-Mount (M58 optional)
Max frame rate at full resolution	4 fps
A/D	14 bit
On-board FIFO	128 MB
Output	
Bit depth	14 (mono) - 12 (color) bit
Mono modes	Mono8, Mono12, Mono12Packed, Mono14
Color modes YUV	YUV411Packed, YUV422Packed
Color modes RGB	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
Raw modes	BayerGR8, BayerGR12, BayerGR12Packed
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 requirements (DC)	PoE, or 7-25 VDC
Power consumption (12 V)	6.6 W @12 VDC
Mass	372 g
Body Dimensions (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 (2011/65/EU)

[Download the Prosilica GT6600 technical drawing](#)



## Smart features

The Prosilica GT6600 features include:

- Auto exposure
- Auto gain
- Auto white balance
- Flexible binning
- Region of Interest (ROI) readout
- DSP subregion (selectable ROI for auto features)
- 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
- Camera temperature monitoring

## 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